L. E. Martin

One Hundred and Forty-Eighth
Annual Report of the Trustees

of

THE MASSACHUSETTS GENERAL HOSPITAL

Including the General Hospital in Boston
and the
McLean Hospital in Belmont

For the Year
1961
Officers and Staff
1962

BOSTON : MASSACHUSETTS

FORMS OF LEGACIES

A. *An Unrestricted Legacy*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ...($)."

Money given in this way may be used by the Hospital for any purpose within the scope of its powers. Both principal and income may be so used.

B. *A Legacy Restricted as to Principal but Not Restricted as to Income*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ...($). The principal of this gift shall be held and may be mingled with other funds of the Hospital for investment. The Hospital may expend the income for any purpose within the scope of its powers. (The following sentence is optional.) This gift is made in memory of ..... and shall be known as the ..... Fund."

Money given in this way establishes a permanent fund.

C. *A Legacy Intended for a Special Purpose*

Where either principal or income of a bequest is to be restricted to some special purpose of the Hospital, it is suggested that the testator contact the Treasurer's Office, 45 Milk Street, Boston.

Member of United Community Services of Metropolitan Boston

Member of American Hospital Association

Accredited by the Joint Commission on Accreditation of Hospitals of the United States and Canada

Approved by American Medical Association for Residencies and Internships

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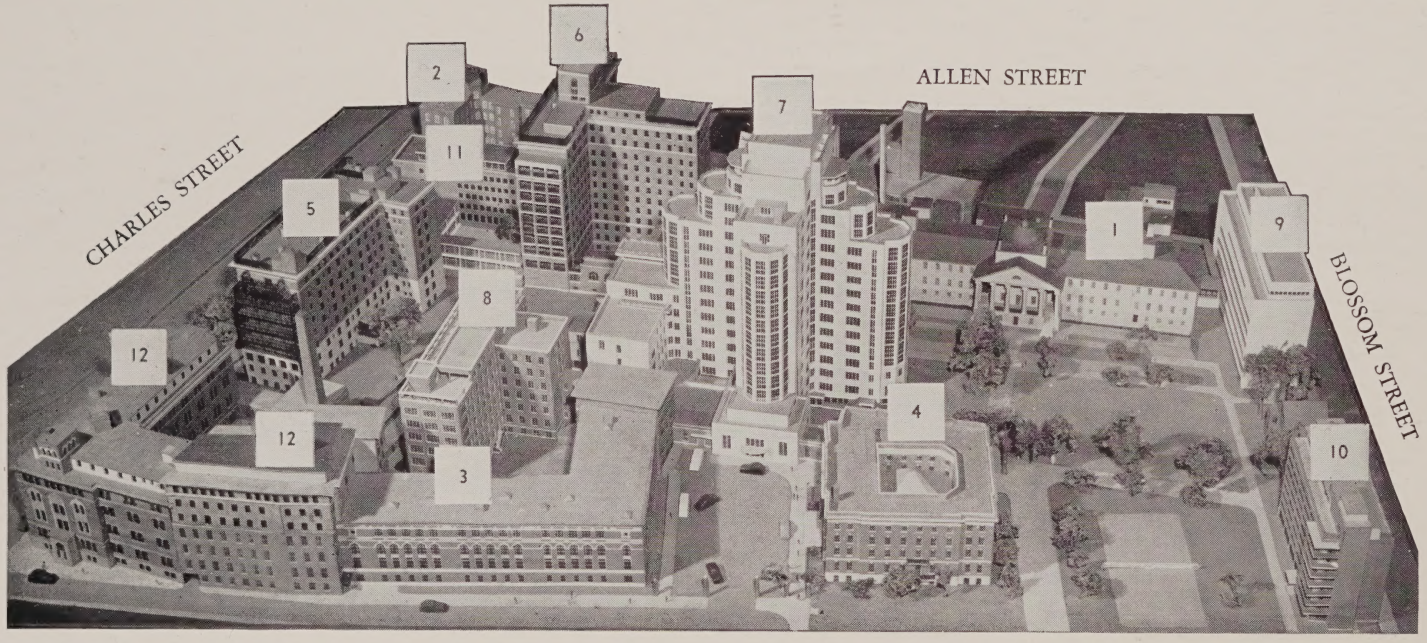

THE MASSACHUSETTS GENERAL HOSPITAL

1. Bulfinch Building (1821); 2. Thayer House Nurses' Residence (1883); 3. The Clinics Building (1903); 4. Moseley Building (1916); 5. Phillips House (1917); 6. Baker Memorial (1930); 7. George Robert White Building (1939); 8. Vincent Memorial Hospital and Burnham Memorial for Children (1947); 9. Research Building (1951); 10. Bartlett Hall Nurses' Residence (1953); 11. Warren Building (1956); 12. *Massachusetts Eye and Ear Infirmary* (1899).

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Including the General Hospital in Boston
and the
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1961

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BOSTON · MASSACHUSETTS

Information

THE MASSACHUSETTS GENERAL HOSPITAL is a private, incorporated institution supported solely by voluntary contributions and the receipts from those patients who pay board. It consists of three main divisions: The General Hospital for those unable to pay for private medical care, The Baker Memorial with private and semi-private accommodations, and the Phillips House, the private pavilion. All three divisions are for the care of acutely ill persons, or for such chronic cases as can be substantially relieved by hospitalization of short duration. In addition, Storrow House, located in Lincoln, Massachusetts, is for convalescent patients no longer in need of hospital nursing care.

THE GENERAL HOSPITAL

Entrance: Fruit Street, end of North Grove Street. Telephone—LA 3-8200.

Arrangements for the admission of patients to the General Hospital should be made at the Admitting Office in the George Robert White Building (Extension 414).

Emergencies are admitted at any hour; arrangements should be made by telephone. Persons injured by accident or overcome by acute illness may come to the Emergency Ward at the Hospital entrance at any time.

The Clinics of the Massachusetts General Hospital and the Massachusetts Eye and Ear Infirmary, open for admission from 8:15 a.m. to 10:00 a.m. and from 1:00 p.m. to 3:00 p.m., are for patients who can not afford the cost of private medical care. Appointments may be made by mail, telephone, or personal application at the Admitting Desk.

THE BAKER MEMORIAL

Entrance: Same as the General Hospital. Telephone — LA 3-8200.

The Baker Memorial is for patients of moderate means. Arrangements for admission should be made at the Admitting Office in The Baker Memorial (Extension 446).

Patients may be referred by any physician, but may be attended only by members of the Staff of the Massachusetts General Hospital and the Massachusetts Eye and Ear Infirmary.

THE PHILLIPS HOUSE

Entrance: 265 Charles Street. Telephone—LA 3-8200.

Information about admission may be obtained at the Phillips House Admitting Office. Patients may be referred by any physician, but may be attended only by members of the Staff of the Massachusetts General Hospital and the Massachusetts Eye and Ear Infirmary.

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May and November
Monsignor Barry and Mr. Richardson

June and December
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January 1963
Messrs. Lawrence and Rabb

February 1963
Messrs. Ketchum and Guild

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Natalie Petzold, R.N. (*School of Nursing*)
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Marian W. Ropes, M.D.
John B. Stanbury, M.D.
Conger Williams, M.D.
Paul C. Zamecnik, M.D.

Associate Physicians

William H. Baker, M.D.
Perry J. Culver, M.D.
Briant L. Decker, M.D.
Allan L. Friedlich, M.D.
Harriet L. Hardy, M.D.
Reed Harwood, M.D.
Kurt J. Isselbacher, M.D.
Rita M. Kelley, M.D.
John H. Knowles, M.D.
Janet W. McArthur, M.D.
Gordon S. Myers, M.D.
Arthur S. Pier, Jr., M.D.
Walter W. Point, M.D.
Lloyd H. Smith, Jr., M.D.
Morton N. Swartz, M.D.
Louis Weinstein, M.D.
Edwin O. Wheeler, M.D.

Assistant Physicians

Irving P. Ackerman, M.D.
Alan C. Aisenberg, M.D.
Victor G. Balboni, M.D.
William S. Beck, M.D.
Kenneth T. Bird, M.D.
John W. Cass, Jr., M.D.
Richard A. Field, M.D.
Anne P. Forbes, M.D.
Gerald S. Foster, M.D.
William Franklin, M.D.
Joseph W. Gardella, M.D.
Frederick T. Hatch, M.D.
Benjamin L. Huntington, M.D.
Stephen M. Krane, M.D.
Farahe Maloof, M.D.
Lot B. Page, M.D.
John T. Quinby, M.D.
Walter T. St. Goar, M.D.
Guillermo C. Sanchez, M.D.
W. Davies Sohier, Jr., M.D.
John D. Stoeckle, M.D.
George P. Sturgis, M.D.
Arthur L. Watkins, M.D.
Richard G. Whiting, M.D.

Assistants in Medicine

John C. Angley, M.D.
K. Frank Austen, M.D.
Francis G. Barnum, Jr., M.D.
Patricia H. Benedict, M.D.
*Leonard W. Cronkhite, Jr., M.D.
James H. Currens, M.D.
John C. Dalton, M.D.
Leslie J. DeGroot, M.D.
Alvin Essig, M.D.
Daniel D. Federman, M.D.
Andrew G. Frantz, M.D.
Howard S. Frazier, M.D.
Thomas C. Hall, M.D.
John Homans, Jr., M.D.
John W. Irwin, M.D.
H. Walter Jones, Jr., M.D.
Kenneth E. Jones, M.D.
Robert H. Jones, M.D.
Lewis W. Kane, M.D.
John W. Keller, M.D.
John W. Littlefield, M.D.
William F. McNeely, M.D.
Edwin P. Maynard, III, M.D.
John A. Mills, M.D.
Maurice M. Pechet, M.D.
Sholem Postel, M.D.
John H. Sisson, M.D.
Frank A. Warner, M.D.

Applied Physicist

Gordon L. Brownell, PH.D.

Associate Biologists

Nancy L. R. Bucher, M.D.
Jerome Gross, M.D.

Assistant Physicists

Saul Aronow, PH.D.
William H. Ellett, B.SC.
Kathleen Stratton, PH.D.

Associate Biophysicist

Jesse F. Scott, M.D.

Biochemists

Lewis L. Engel, PH.D.
Roger W. Jeanloz, PH.D.

Associate Biochemists

John Gergely, M.D.
Barbara Wright Kalckar, PH.D.
*Robert B. Loftfield, M.D.
Karl Schmid, PH.D.

Assistant Biochemists

Donald G. Comb, PH.D.
Marvin R. Lamborg, PH.D.
Mary Louise Stephenson, PH.D.
Irving Weliky, PH.D.

Associate Immunologist

Sidney Leskowitz, PH.D.

Assistant Immunologist

Edna M. Follensby, PH.D.

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*On leave of absence

DERMATOLOGY

Chief of Service
Thomas B. Fitzpatrick, M.D., PH.D.

Dermatologist
Maurice M. Tolman, M.D.

Associate Dermatologist
John Adams, Jr., M.D.

Assistant Dermatologists

Paul J. Catinella, M.D.
Earl A. Glicklich, M.D.
Robert D. Griesemer, M.D.
Milton E. Helman, M.D.
Philip L. McCarthy, M.D.
Robert F. Tilley, M.D.
Ruth K. Freinkel, M.D.

Assistants in Dermatology

Leroy D. Aaronson, M.D.
William L. Curwen, M.D.
Charles S. Keuper, M.D.
Myron H. Matz, M.D.
Samuel L. Moschella, M.D.
Arthur S. Spangler, M.D.

Associate Biochemist
Irvin H. Blank, PH.D.

Associate Biologist
George Szabó, PH.D.

Research Associate
Madhukar A. Pathak, PH.D.

NEUROLOGY

Chief of Service
Raymond D. Adams, M.D.

Neurologists

Mandel E. Cohen, M.D.
Edwin M. Cole, M.D.
C. Miller Fisher, M.D.
Robert S. Schwab, M.D.
Maurice Victor, M.D.

Associate Neurologists

Philip R. Dodge, M.D.
Vincent P. Perlo, M.D.
Edward P. Richardson, M.D.
William H. Timberlake, M.D.

Assistant Neurologists

John A. Abbott, M.D.
Pierre M. Dreyfus, M.D.
Hugo W. Moser, M.D.
Henry deF. Webster, M.D.

Assistants in Neurology

Albert C. England, Jr., M.D.
Robert E. Flynn, M.D.
David C. Poskanzer, M.D.
Richard L. Sidman, M.D.
Ruth E. Stauffer, M.D.
Karel van Syckel Toll, M.D.

Neurophysiologist

John S. Barlow, M.D.

Associate Bacteriologist

Associate Bacteriologist
Byron H. Waksman, M.D.

Psychologist
Murray Sidman, PH.D.

PSYCHIATRY

Chief of Service

Erich Lindemann, M.D., PH.D.

Psychiatrists

Gerald Caplan, M.D.
Paul M. Howard, M.D.
John C. Nemiah, M.D.
Gardner C. Quarton, M.D.
Alfred H. Stanton, M.D.
Elizabeth R. Zetzel, M.D.

Associate Psychiatrists

Herbert Barry, Jr., M.D.
Morris E. Chafetz, M.D.
*Frank R. Ervin, M.D.
*Richmond Holder, M.D.
John H. Lamont, M.D.
Peter E. Sifneos, M.D.
Jerome L. Weinberger, M.D.
Avery D. Weisman, M.D.

Assistant Psychiatrists

Clemens E. Benda, M.D.
Norman R. Bernstein, M.D.
Frances J. Bonner, M.D.
Franklin Carter, M.D.
Daniel C. Dawes, M.D.
William H. Eger, M.D.
Phillip H. Gates, M.D.
Benjamin F. Gill, M.D.
*Thomas P. Hackett, M.D.
Volta R. Hall, M.D.
Helen M. Herzan, M.D.
Pierre Johannet, M.D.
Samuel Kaplan, M.D.
Maria Lorenz, M.D.
Walter Mann, M.D.
David E. Reiser, M.D.
Jack H. Mendelson, M.D.
Maxwell G. Potter, M.D.

Assistants in Psychiatry

Jason A. Aronson, M.D.
Robert L. Bragg, M.D.
Herbert S. Cline, M.D.
Gerald E. Davidson, M.D.
Frederick J. Duhl, M.D.
Abraham L. Finesinger, M.D.
Howard T. Hermann, M.D.
Herbert O. LeVine, M.D.
William Sharpe, Jr., M.D.
William R. Shelton, M.D.
Jackson M. Thomas, M.D.

---

*Hall-Mercer Hospital Staff

Psychologists

George A. Talland, PH.D.
John M. van Felsinger, PH.D.

Associate Psychologists

Howard T. Blane, PH.D.
Marc A. Fried, PH.D.
Donald C. Klein, PH.D.
Richard R. Peebles, PH.D.
Judy F. Rosenblith, PH.D.
Irving Wolf, PH.D.

Assistant Psychologists

Frank M. Buckley, PH.D.
Philip E. Kubzansky, PH.D.
Leonard M. Lansky, PH.D.
Clara Weiss Mayo, PH.D.
Selma Rappaport, PH.D.
Richard A. Sternbach, PH.D.

Assistant Sociologist

*Louisa P. Howe, PH.D.

Assistant in Mathematics

Stephen Lorch

CHILDREN'S SERVICE

Acting Chief of Service

Nathan B. Talbot, M.D.

Pediatricians

Leo B. Burgin, M.D.
John D. Crawford, M.D.
Philip R. Dodge, M.D.
Robert N. Ganz, M.D.
Ralph A. Ross, M.D.

Associate Pediatricians

T. Berry Brazelton, M.D.
William A. Dickson, M.D.
LeRoy L. Eldredge, Jr., M.D.
Lawrence J. Essember, M.D.
Richard B. Kearsley, M.D.
Alexander S. Nadas, M.D.
Thomas C. Peebles, M.D.
Murray E. Pendleton, M.D.
Gertrud C. Reyersbach, M.D.
Robert H. Richie, Jr., M.D.
Robert T. Sceery, M.D.
Mary Louise Scholl, M.D.
Richard H. Watson, M.D.
Eleonore C. Zaudy, M.D.

Assistant Pediatricians

James J. A. Cavanaugh, M.D.
William D. Cochran, M.D.
John P. Connelly, M.D.
James E. Drorbaugh, M.D.
Nathan H. Fearer, M.D.
George A. Glines, M.D.
Robert J. Haggerty, M.D.
Joseph J. McGovern, M.D.

*Hall-Mercer Hospital Staff

Edward F. McGrath, M.D.
William Pfeffer, Jr., M.D.
Charles V. Pryles, M.D.
Edward F. Rabe, M.D.
John S. Robey, M.D.
Marion L. Slemons, M.D.
Rudolf Toch, M.D.
Wilhelmina Van Dyke, M.D.
*Dorothy B. Villee, M.D.
Thomas J. Whitfield, III, M.D.

Assistants in Pediatrics

William J. Adelson, M.D.
Donald J. Annino, M.D.
Arnold D. Fiascone, M.D.
Thomas Frank, M.D.
Andrew D. Guthrie, Jr., M.D.
Jordan S. Ruboy, M.D.
Lois M. Smedley, M.D.
Michael P. Tristan, M.D.
Alan Ziskind, M.D.

Staff assigned from other Services and Departments

General Surgery:	W. Hardy Hendren, III, M.D. William C. Quinby, Jr., M.D. Bradford Cannon, M.D.
Neurosurgery:	Vernon H. Mark, M.D.
Orthopedic Surgery:	J. Drennan Lowell, M.D. Carter R. Rowe, M.D.
Urologic Surgery:	Guy W. Leadbetter, M.D.
Psychiatry:	Frank R. Ervin, M.D. Richmond Holder, M.D.
Neurology:	Philip R. Dodge, M.D.
Dental Medicine:	David Weisberger, D.M.D., M.D.
Anesthesia:	Phillips Hallowell, M.D.

*7.1.62

SURGICAL DIVISION

GENERAL SURGERY

Chief of Surgical Services

*Edward D. Churchill, M.D.

Visiting Surgeons

Marshall K. Bartlett, M.D.
Bradford Cannon, M.D.
Oliver Cope, M.D.
Gordon A. Donaldson, M.D.
Edward Hamlin, Jr., M.D.
J. Gordon Scannell, M.D.
Claude E. Welch, M.D.

Associate Visiting Surgeons

F. Thomas Gephart, M.D.
Francis M. Ingersoll, M.D.
William V. McDermott, Jr., M.D.
George L. Nardi, M.D.
John W. Raker, M.D.
Grant V. Rodkey, M.D.
Robert S. Shaw, M.D.
Frank C. Wheelock, Jr., M.D.
Earle W. Wilkins, Jr., M.D.

Assistant Surgeons

Benjamin A. Barnes, M.D.
Glenn E. Behringer, M.D.
John F. Burke, M.D.
Thomas H. Green, Jr., M.D.
Hermes C. Grillo, M.D.
John M. Head, M.D.
W. Hardy Hendren, M.D.
Roy E. Mabrey, M.D.
John B. McKittrick, M.D.
Charles G. Mixter, Jr., M.D.
William C. Quinby, Jr., M.D.
George S. Richardson, M.D.
William P. Rogers, Jr., M.D.

Assistants in Surgery

Edwin L. Carter, M.D.
John D. Constable, M.D.
R. Clement Darling, M.D.
Charles E. Huggins, M.D.
Edwin W. Salzman, M.D.

ANESTHESIA

Chief of Service

Henry K. Beecher, M.D.

Anesthetists

Henrik Holt Bendixen, M.D.
Donald P. Todd, M.D.

---

*Through 6.30.62

Associate Anesthetists

John W. D. Garrett, M.D. Phillips Hallowell, M.D.
Henning Pontoppidan, M.D.

Assistant Anesthetists

Lawrence D. Egbert, M.D. Myron B. Laver, M.D.
Thomas E. Macnamara, M.D.

Assistants in Anesthesia

George E. Battit, M.D. Edward Los, M.D.
Thomas J. Keenan, M.D. Eliot Macy Slater, M.D.
*Leo T. Kelly, M.D. Herman Turndorf, M.D.
Susanne J. Lamdin, M.D. Sarita G. Walzer, M.D.

ENDOSCOPY

Endoscopist

†Edward B. Benedict, M.D.

GYNECOLOGY

Chief of Service

Howard Ulfelder, M.D.

Staff shared with General Medical and Surgical Services

NEUROSURGERY

Chief of Service

William H. Sweet, M.D., D.SC.

Associate Visiting Neurosurgeon

H. Thomas Ballantine, Jr., M.D.

Assistants in Neurosurgery

Hannibal Hamlin, M.D. Vernon H. Mark, M.D.
Raymond N. Kjellberg, M.D. Robert G. Ojemann, M.D.

Associate Biophysicist in Neurosurgery

Adelbert Ames, III, M.D.

---

*Lv. ab. because of service in Armed Forces
†Board of Consultation 7.1.62

Associate Biophysicist in Neurosurgery
Humberto Fernández-Morán V., M.D., PH.D.

Associate Chemist in Neurosurgery
Albert H. Soloway, PH.D.

Assistant Neurophysiologist
Padmaker P. Lele, M.D., PH.D.

ORTHOPEDIC SURGERY

Chief of Service
Joseph S. Barr, M.D.

Consulting Visiting Orthopedic Surgeon
Edwin F. Cave, M.D.

Visiting Orthopedic Surgeons
Otto E. Aufranc, M.D. — Thornton Brown, M.D.
Paul L. Norton, M.D.

Assistant Orthopedic Surgeons
Thomas L. DeLorme, M.D. — Eugene E. Record, M.D.
William N. Jones, M.D. — John A. Reidy, M.D.
Robert J. Joplin, M.D. — Carter R. Rowe, M.D.
William R. MacAusland, Jr., M.D. — Morten Smith-Petersen, M.D.

Assistants in Orthopedic Surgery
Robert B. Brendze, M.D. — William L. Kermond, M.D.
Melvin J. Glimcher, M.D. — J. Drennan Lowell, M.D.
William H. Harris, M.D. — Richard A. Mayo, M.D.
Edward A. Nalebuff, M.D.

Podiatrist
John F. Kelly, D.S.C.

Assistant Podiatrists
John D. McLean, D.S.C. — Hugh J. O'Rourke, D.S.C.
Homer J. Squires, D.S.C.

UROLOGY

Chief of Service
Wyland F. Leadbetter, M.D.

Visiting Urologist
*Sylvester B. Kelley, M.D.

Associate Visiting Urologists
†Howard I. Suby, M.D.
Walter S. Kerr, Jr., M.D.

Assistant Urologists
Guy W. Leadbetter, Jr., M.D.
Edward C. Parkhurst, M.D.
Lorande M. Woodruff, M.D.

Assistants in Urology
Joshua J. Hurwitz, M.D.
Harold A. Rudy, M.D.

DENTAL MEDICINE

Oral Surgeon and Chief of Dental Service
David Weisberger, D.M.D., M.D.

Assistant Oral Surgeons
Neville A. Booth, D.M.D.
Harold A. Carnes, D.M.D.
Henry J. Carney, D.M.D.
George Christman, D.M.D.
Walter C. Guralnick, D.M.D.
Richard L. Miner, D.D.S.
Earle H. Rosenberg, D.M.D.
Norman Trieger, D.M.D.

Dental Surgeons
Peter A. Dempsey, D.M.D.
Charles H. Endee, D.M.D.
Henry D. Howe, D.M.D.
Owen W. Kite, D.D.S.
Glenn W. Lawrence, D.M.D.
Robert C. Lincoln, D.M.D.
Morton J. Olin, D.M.D.
Robert G. Rae, D.M.D.
Frank I. Rhodes, D.M.D.
Earle J. Waddington, D.M.D.

Assistant Dental Surgeons
Harold A. Bratt, D.M.D.
William L. Cosgrove, D.M.D.
Frederick J. Feeney, D.M.D.
Julius J. Levitan, D.M.D.
Joseph C. Oakley, D.M.D.
Symon C. Polansky, D.M.D.
Frederick K. Poulin, D.M.D.
Donald B. Rae, D.D.S.
Keith A. Shangraw, D.M.D.
J. Henry Stempien, D.M.D.
John B. Taylor, D.D.S.
William H. Tingey, Jr., D.M.D.

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*Consulting Visiting Urologist 7.1.62
†Visiting Urologist 7.1.62

DEPARTMENTS

PATHOLOGY

Chief of Department
Benjamin Castleman, M.D.

Pathologists
Robert E. Scully, M.D. Edgar B. Taft, M.D.
Austin L. Vickery, Jr., M.D.

Associate Pathologists
Richard B. Cohen, M.D. Winfield S. Morgan, M.D.

Associate Visiting Pathologist
Ronald C. Sniffen, M.D.

Assistant Pathologists
Leonard Atkins, M.D. Martin H. Flax, M.D.
James B. Caulfield, M.D. Priscilla Dienes Taft, M.D.

Neuropathologists
Raymond D. Adams, M.D. Edward P. Richardson, M.D.

Associate Neuropathologist
C. Miller Fisher, M.D.

Assistant Neuropathologist
Henry deF. Webster, M.D.

RESEARCH CHEMISTRY

Research Biochemist
Herman M. Kalckar, M.D., PH.D.

BACTERIOLOGY

Bacteriologist
Lawrence J. Kunz, PH.D.

Assistant Bacteriologist
Barbara K. Watson, PH.D.

Consulting Bacteriologist
Louis Dienes, M.D.

CLINICAL CHEMISTRY LABORATORIES

Chief
Sidney V. Rieder, M.D.

RADIOLOGY

Chief of Department
Laurence L. Robbins, M.D.

Radiologists
Milford D. Schulz, M.D.
Stanley M. Wyman, M.D.

Associate Radiologists
Jack R. Dreyfuss, M.D.
J. Malcolm McNeill, M.D.
Paul F. J. New, M.D.
Majic S. Potsaid, M.D.
Paul M.G. St. Aubin, M.D.
Chiu-chen Wang, M.D.

Consulting Visiting Radiologist
Richard Schatzki, M.D.

Assistant Radiologists
Giulio J. D'Angio, M.D.
Henry P. Pendergrass, M.D.
Frederick S. Tomchik, M.D.
Alfred L. Weber, M.D.

Assistants in Radiology
John K. Cobb, M.D.
†Neva M. Johnson, M.D.
‡Frank P. Shea, M.D.
*Louis Wener, M.D.
Walther T. Weylman, M.D.

Physicist
Edward W. Webster, PH.D.

Assistant Physicist
Eugene T. Agard, M.SC.

Engineer
Oliver E. Merrill, B.E.E.

PHYSICAL MEDICINE

Chief of Physical Medicine
Arthur L. Watkins, M.D.

Assistant in Physical Medicine
Dorothy E. Ford, M.D.

BLOOD BANK AND TRANSFUSION SERVICE

Director
Morten Grove-Rasmussen, M.D.

---

*On leave of absence with Armed Services
†When Mass. license received
‡7.1.62

Assistant Director
Robert S. Shaw, M.D.

CONSULTANTS

Consultants in Medicine
Benjamin G. Ferris, M.D.
Conrad Wesselhoeft, M.D.

Consultants in Preventive Medicine
John E. Gordon, M.D.
David D. Rutstein, M.D.

Consultant in Tropical Diseases
George C. Shattuck, M.D.

Consultant in Neuropathology
Paul I. Yakovlev, M.D.

Consultants to Children's Service
William Berenberg, M.D.
Louis K. Diamond, M.D.
Stewart H. Clifford, M.D.
Clement A. Smith, M.D.

Consultant in Biophysics in Neurosurgery
Eugene Bell, M.SC., PH.D.

Consultants to Orthopedic Service
Morris Cohen, PH.D.
Robert J. Hansen, SC.D.
George Scatchard, PH.D.

Consultant in Pathology
Walter G. H. Putschar, M.D.

Consultants in Forensic Pathology
Richard Ford, M.D.
Michael A. Luongo, M.D.

Consultant in Radiology
Edward B. D. Neuhauser, M.D.

Consultants in Physics
Robley D. Evans, PH.D.
John G. Trump, D.SC.

Consultant in Neurophysiology
Alexander Forbes, M.D.

Consultants in Pharmacology
Oleg Jardetzky, M.D., PH.D.
Otto Krayer, M.D.

Consultant in Mathematics
to the
Physics Research Laboratory
George P. Wadsworth

ASSOCIATE STAFF

Clinical Associates in Medicine

John G. Freymann, M.D.
John R. Graham, M.D.
J. Evarts Greene, M.D.
David Littmann, M.D.
Sylvester McGinn, M.D.
Henry D. Stebbins, M.D.
Frederic Tudor, M.D.
Arthur A. Wills, Jr., M.D.
John W. Zeller, M.D.

Clinical Associates in Dermatology

Joseph Albert, M.D.
Clito R. Damiani, M.D.
John L. Fromer, M.D.
Basil C. Gray, M.D.
William R. Hill, M.D.
Sabino J. Sinesi, M.D.

Clinical Associates in Psychiatry

Arthur W. McMahon, M.D.
Lionelle D. Wells, M.D.

Clinical Associates in Children's Service

Elroy E. Anderson, M.D.
Doris R. Bennett, M.D.
Albert Cohen, M.D.
John A. Duggan, M.D.
Edward C. Dyer, M.D.
John G. Flynn, M.D.
Theodore S. Golden, M.D.
Joseph L. Lewis, M.D.
Alexander S. MacDonald, Jr., M.D.
Francis C. McDonald, M.D.
James A. O'Shea, M.D.
Walter Pick, M.D.
Leonard H. Plotkin, M.D.
Joseph F. Stocks, M.D.
Robert F. Wilson, M.D.

Clinical Associates in Surgery

Richard C. Austin, M.D.
Donald V. Baker, Jr., M.D.
Martin J. Bellinger, M.D.
Charles B. Burbank, M.D.
Richard R. Curtin, M.D.
Chester J. Dexter, M.D.
George F. Emerson, M.D.
Edward L. Ferguson, M.D.
Gerald G. Garcelon, M.D.
Frank W. Garran, Jr., M.D.
Walter E. Garrey, M.D.
Ward I. Gregg, M.D.
Irad B. Hardy, M.D.
Clement A. Hiebert, M.D.
Joseph A. Holmes, M.D.
William K. McClelland, M.D.
George A. Marks, M.D.
Carroll C. Miller, M.D.
Joseph E. Murray, M.D.
Spiros P. Sarris, M.D.
James M. Shannon, M.D.
Lamar Soutter, M.D.
Richard H. Thompson, M.D.
Masao Yatsuhashi, M.D.

Clinical Associate in Neurosurgery

Jost J. Michelsen, M.D.

Clinical Associate in Orthopedic Surgery

Thomas F. Broderick, Jr., M.D.

Clinical Associate in Urology

Emil J. Ganem, M.D.

Clinical Associates in Dental Medicine

Herman DeWilde, D.M.D.
Norton Fishman, D.M.D.
Merton W. Foss, D.M.D.
Daniel J. Holland, Jr., D.D.S.
George M. Noss, D.M.D.
Howard C. Reith, D.M.D.
Charles E. Rounds, D.M.D.
Edward L. Sleeper, D.D.S.
Jerome K. Walker, M.D., D.M.D.

Clinical Associate in Pathology

Robert Fienberg, M.D.

Clinical Associates in Radiology

Joseph Hanelin, M.D.
H. Peter Mueller, M.D.
Richard G. O'Brien, M.D.

Clinical Associates in Obstetrics

Robert H. Barker, M.D.
A. Gordon Gauld, M.D.
John L. Newell, M.D.
Charles P. Sheldon, M.D.
Bartlett H. Stone, M.D.

CLINICAL ASSISTANTS

Medicine

Donnell W. Boardman, M.D.
Arthur E. Brown, M.D.
Albert I. C. DeFriez, M.D.
John Denovian, M.D.
Ellis Dresner, M.D.
Anne F. Godley, M.D.
William A. Hall, M.D.
Charles S. Keevil, Jr., M.D.
Louis Kunian, M.D.
Alice Lowell, M.D.
Edward S. Rendall, M.D.
Raymond J. Savignac, M.D.
Oscar E. Starobin, M.D.
Hugh Tatlock, M.D.
Gordon DuF. Winchell, M.D.

Dermatology

Nicholas J. Fiumara, M.D.

Psychiatry

Martin R. Coles, M.D.
Robert L. Kelley, M.D.
Lionel A. Schwartz, M.D.

Surgery

James M. Doonan, M.D.
Paul F. Gryska, M.D.
Eugene A. Guralnick, M.D.
Theodore M. Leary, M.D.
Peter J. Mozden, M.D.
Aram Roopenian, M.D.
John L. Rowbotham, M.D.
D. Albert Young, M.D.

Neurosurgery

Nicholas T. Zervas, M.D.

Orthopedic Surgery
Verner S. Johnson, M.D.

Dental Medicine
Peter G. Kimball, D.M.D.

Pathology
G. Richard Dickersin, M.D.

Radiology
John B. Little, M.D.
D. Glyn Millard, M.D.
James A. Peterson, M.D.
John T. Pollard, Jr., M.D.
Clinton B. Seeley, M.D.

HOUSE STAFF

Residents and Interns
As of January 1, 1962

Medicine

Chief Resident:
Mitchell T. Rabkin, M.D.

Residents:
Donald L. Bornstein, M.D.
Edgar Haber, M.D.
Robert K. Osborne, M.D.
Robert H. Schapiro, M.D.
John W. Singleton, M.D.
Arnold N. Weinberg, M.D.
Martin J. Wohl, M.D.

Assistant Residents:
David H. Alpers, M.D.
Peter VanD. Barrett, M.D.
Leonard Garran, M.D.
Stephen E. Goldfinger, M.D.
Rex L. Jamison, M.D.
Robert S. Lees, M.D.
Gordon K. MacLeod, M.D.
Raphael F. Smith, M.D.
William B. Stason, M.D.
Samuel O. Thier, M.D.
Richard J. Wurtman, M.D.
William J. Yount, M.D.

Interns:
Robert E. Burke, M.D.
Norman R. Cohen, M.D.
Howard B. Corning, M.D.
Shalom Z. Hirschman, M.D.
Axel Hoffer, M.D.
Newton E. Hyslop, Jr., M.D.
Alan S. Keitt, M.D.
John N. Loeb, M.D.
Philip W. Majerus, M.D.
John C. Parker, M.D.
Kenneth I. Shine, M.D.
James F. Spann, Jr., M.D.

Dermatology

Assistant Residents:
Leon M. Edelstein, M.D.
Burnham E. Lamkins, M.D.
Richard A. Weinberg, M.D.

Neurology

Resident:
Alexander M. McPhedren, M.D.

Assistant Residents:
John R. Baringer, M.D.
Lawrence J. Embree, M.D.
Carl M. Leventhal, M.D.
Ali R. Shuter, M.D.

Psychiatry

Assistant Residents:
Guido Belsasso-Prister, M.D.
Randolph Catlin, Jr., M.D.
Michael T. McGuire, M.D.
Christopher W. Rowland, M.D.

Children's

Chief Resident:
John P. Connelly, M.D.

Assistant Residents:
Mark Abramowicz, M.D.
Rodolfo A. Arellana, M.D.
Murray Feingold, M.D.
John B. Joseph, M.D.
Leonard I. Kleinman, M.D.
Brigid P. Nesburn, M.D.
Stephen L. Reynolds, M.D.
Murray K. Rosenthal, M.D.
Peter P. E. Schuntermann, M.D.
John T. Truman, M.D.

Interns:
Robert M. Kline, M.D.
Lester F. Soyka, M.D.
Stephan M. Marcy, M.D.
Richard C. Talamo, M.D.

Surgery

Residents:
Ronald A. Malt, M.D.
Harold C. Urschel, Jr., M.D.

First Assistant Residents:
Alf E. Gundersen, M.D.
Stephen E. Hedberg, M.D.
John B. Herrmann, M.D.
Anthony P. Monaco, M.D.
Jens G. Rosenkrantz, M.D.
Quentin R. Stiles, M.D.
Clarence G. Wheeler, M.D.

Second Assistant Residents:
Frederick W. Ackroyd, M.D.
Mortimer J. Buckley, Jr., M.D.
Louis H. Edmunds, Jr., M.D.
Paul Field, M.D.
Nicoll F. Galbraith, Jr., M.D.
Arthur L. Herbst, M.D.
Mark M. Kartchner, M.D.
Nelson R. Lampert, M.D.
Lucian L. Leape, Jr., M.D.
John L. Lewis, Jr., M.D.
Donald M. McKee, M.D.
Gustave C. E. Mueller, M.D.
Eldred D. Mundth, M.D.
Anthony S. Patton, M.D.
John T. Porvaznik, Jr., M.D.
John P. Remensnyder, Jr., M.D.
Benjamin T. Santoro, M.D.
David B. Skinner, M.D.
Richard H. Wohl, M.D.

Third Assistant Residents:
Joseph R. Barrie, M.D.
Sheldon C. Binder, M.D.

John D. Burrington, M.D.
Ruben F. Gittes, M.D.
Donald B. Halverstadt, M.D.
S. Bert Litwin, M.D.
Ashby C. Moncure, M.D.
Gerald M. Moss, M.D.
Leslie W. Ottinger, M.D.
John M. Reed, M.D.

Interns:

William M. Abbott, M.D.
William B. DeLong, M.D.
Josef E. Fischer, M.D.
Elwin E. Fraley, M.D.
Thomas R. Hakala, M.D.
Charles A. Rodman, II, M.D.
Dale E. Wenlund, M.D.
Bruce E. Zawacki, M.D.

Neurosurgery

Assistant Residents:

Edward P. Baker, Jr., M.D.
Murray H. Helfant, M.D.
Earl F. Jordan, M.D.
Clyde N. Shealy, M.D.
Raleigh L. Wright, M.F.

Anesthesia

Assistant Residents:

Edward F. Balius, M.D.
Bob Bullwinkel, M.D.
Peter A. Del Giudice, M.D.
Joan W. Flacke, M.D.
Richard F. Gibbs, M.D.
Bucknam McPeek, M.D.
Rita A. Manzi, M.D.
Roger H. Morris, M.D.
John D. Murphy, M.D.
Claire M. Stiles, M.D.
Howard A. Trachtenberg, M.D.

Orthopedics

Residents:

Dudley M. Baker, M.D.
Walid A. Mnaymneh, M.D.

Assistant Residents:

Felix A. Battat, M.D.
Hugh P. Chandler, M.D.
Khalil Germanos, M.D.
Gordon F. Lupien, M.D.
James G. Manson, M.D.
David C. Mitchell, M.D.
Maureen K. Molloy, M.D.
John J. Monahan, M.D.
Philip I. Salib, M.D.
Clement B. Sledge, M.D.
Henry D. Wilde, Jr., M.D.
Seymour Zimbler, M.D.

Urology

Resident:

Alan C. Markland, M.D.

Assistant Residents:

Richard C. Hirschhorn, M.D.
William Lee Strickler, M.D.
Leonard Zinman, M.D.

Pathology

Assistant Residents:

John E. Adams, M.D.
Arthur K. Asbury, M.D.
John F. Barlow, M.D.
F. Daniel Foley, M.D.
Lewis P. James, Jr., M.D.
Herbert I. Krickstein, M.D.
Giuseppe G. Pietra, M.D.
Stewart Sell, M.D.

Intern:

James M. Gibson, M.D.

Radiology

Residents:

Stanley P. Bohrer, M.D.
George B. Carter, M.D.
Nathan T. Griscom, M.D.
James W. Tanner, M.D.

Assistant Residents:

Melvin E. Clouse, M.D.
Luiz F. deQ. Mattoso, M.D.
Abbott R. Miller, M.D.
Robert A. Nebesar, M.D.
James J. Pollard, M.D.
Lawrence C. Sack, M.D.
Ronald L. Seltzer, M.D.

Dental

Resident: Homer Lee Ash, D.M.D.
Assistant Resident: Leonard B. Shulman, D.M.D.
Intern: Laurence I. Barsh, D.M.D.

CLINICAL AND RESEARCH FELLOWS

Medicine

Babatunde Kwaku Adadevoh, M.D.
Man Mohan Singh Ahuja, M.D.
David W. Allen, M.D.
Daniel C. Allensworth, III, M.D.
Neil Baggett, B.SC.
George P. Baker, Jr., M.D.
William H. Batchelor, M.D.
Joe C. Bennett, M.D.
Peter L. Bergquist, PH.D.
Colin H. Bolton, PH.D.
John A. Bolzan, M.D.
Jack Braunwald, M.D.
Caesar Briefer, M.D.
William G. Bush, M.D.
Arthur B. Callahan, PH.D.
George P. Canellos, M.D.
Robert W. Carey, M.D.
Ock Soon Choi, M.D.
Annemarie Closse, PH.D.
John R. Collins, M.D.
Efrain O. Contreras, M.D.
Paul A. Crabbe, M.D.
Albert Damon, M.D., PH.D.
Roman W. DeSanctis, M.D.
Witold Drabikowski, M.D.
John T. Dunn, M.D.
Eric Engel, M.D.
David S. Feingold, M.D.
Milan Fiala, M.D.
Harold M. Flowers, PH.D.
George Fosteropoulos, M.D.
Sumner Frank, M.D.
Andrew G. Frantz, M.D.
Kerstin G. C. Gezelius, PH.D.
Jon B. Glazier, M.D.
Mehran Goulian, M.D.
Norman J. Greenberger, M.D.
Herbert A. Haessler, M.D.
Reginald Hall, M.D.
Anund A. Hallen, M.D.
Earl I. Hammer, M.D.
J. Warren Harthorne, M.D.
Andrew Huvos, M.D.
Jørgen G. Jacobsen, M.D.
Sharad G. Joshi, PH.D.
Robert E. Kahn, M.D.
Shelby Kashket, PH.D.
Philip C. Kelleher, M.D.
Jan Koch-Weser, M.D.
Gabriel T. Koroxenidis, M.D.
Howard M. Kravetz, M.D.
Arthur S. Kunin, M.D.
Charles M. Lapiere, M.D.
Austra Likais, M.D.
Myron Lotz, M.D.
Tecla O. Lovina, M.D.
Donald McCaughan, M.D.
Francis D. Milligan, M.D.
West T. Moore, M.D.
Leonard A. Moroz, M.D.

Yutaka Nagai, PH.D.
Charles A. Nagant de Deuxchaines, M.D.
Manuel Nava y Gutierrez de Velasco, M.D.
Hans B. Nevinny-Stickel, M.D.
Richard A. Norton, M.D.
Robert S. Pinals, M.D.
Marc R. Playoust, M.D.
Kenneth G. Potee, M.D.
Mudundi R. Raju, M.D.
George Riccabona, M.D.
Paul A. Rudnick, M.D.
Hugues Ryser, M.D.
John E. Salvaggio, M.D.
Allan I. Sandler, M.D.
Robert F. Santos, M.D.
Mei Satake, M.D., PH.D.
Robert H. Schapiro, M.D.
Robert L. Scheig, M.D.
Eugen Schmid, M.D.
John R. Senior, M.D.
Yoshitaka Shimizu, M.D.
John E. Silbert, M.D.
Mary Jane Spiro, PH.D.
Isadore Starr, M.D.
Paul M. Stevens, M.D.
William E. Strole, Jr., M.D.
Shizuko Takahashi, M.D.
Marvin L. Tanzer, M.D.
Katuhiko Tokita, M.D., PH.D.
Gentaro Usuku, M.D.
Weiert M. Velle, M.D.
R. Bruce Wilcox, M.D.
Chuan-Tao Yu, PH.D.
Klaus A. Zuppinger, M.D.

Dermatology

Joseph W. Burnett, M.D.
Arthur Z. Eisen, M.D.
Alvin E. Friedman-Kien, M.D.
Richard Masters, M.D.

Psychiatry

Philip R. Boyd, M.D.
Joseph H. Brenner, M.D.
Padraic Burns, M.D.
Hilda Dickoff, PH.D.
Paul R Dinsmore, M.D.
Gerhart A. Duda, M.D.
Bruce W. Fischberg, M.D.
Freddy H. Frankel, M.D.
Sara S. Hafter, M.D.
Manuel Hernandez, M.D.
Frederick D. Jarvis, Jr., M.D.
Martin Kantor, M.D.
Edwin J. Lieberman, M.D.
William F. McCourt, M.D.
Nancy Mello, PH.D.
Edward Messner, M.D.
William R. Meyers, PH.D.
James J. Muller, M.D.
Nancy T. P. Nichols, M.D.
Harry S. Olin, M.D.
*George M. Perrin, M.D.
George W. Rever, M.D.
Jack O. Rice, M.D.
Lawrence C. Salvesen, M.D.
David G. Satin, M.D.
*Olga Sears, M.A.
Nathan T. Sidley, M.D.
John B. Spillane, M.D.
Danuta M. Stachiewiez, M.D.
Myron R. Stocking, M.D.
John A. Stout, M.A.
Ralph A. Williams, M.D.
Jacob C. Wolterbeek, M.D.

*Hall-Mercer Fellows

Children's

Margaret H. MacGillivray, M.D.
Krishna M. Saxena, M.D.
Boris Senior, M.D.
Marvin Snider, PH.D.
Juan F. Sotos, M.D.

Neurology

Barry G. W. Arnason, M.D.
Joseph N. Blau, M.D.
Monroe Cole, M.D.
George H. Collins, M.D.
Praful M. Dalal, M.D.
Alvaro Fernandez, M.D.
Robert E. Hayes, III, M.D.
Mithat Ilhan, M.D.
John B. Isom, M.D.
Bravislav D. Jankovic, M.D., PH.D.
Richard T. Johnson, M.D.
Timo U. Kosunen, M.D.
Guy M. McKhann, M.D.
Alberto Salama, M.D.
Karin I. Samuelson, M.D.
Alfred D. Weiss, M.D.
Gerald F. Winkler, M.D.
Gilbert F. Young, M.D.

Neuropathology

T. Corwin Fleming, M.D.
John B. Foster, M.D.
Peter R. Huttenlocher, M.D.
Bruce W. Konigsmark, M.D.
Ernest H. Picard, M.D.
Arthur L. Prensky, M.D.
Vincent W. Steward, M.D.
Ansgar A. Torvik, M.D.

Surgery

Jacobus Greep, M.D.
Christopher J. W. Huston, M.D.
Koichi Ishikawa, M.D.
Keith A. Lamont, M.D.
Anne Wight Phillips, M.D.
Justus S. Saurbrey, M.D.
Chiu-an Wang, M.D.

Neurosurgery

Terence P. Abbiss, PH.D.
Shinichiro Endo, M.D.
Wolfgang K. R. Entzian, M.D.
Kewal K. Jain, M.D.
Yuji Miyazaki, M.D.
Michio Sakanoue, M.D.
Jean C. Siegfried, M.D.
Donald D. Sheffel, M.D.

Orthopedics

Anthony L. Andrikides, PH.D.
Laurence C. Bonar, A.B.
John H. Bowker, M.D.
Ulf A. Friberg, M.D.
Richard L. Jacobs, M.D.
Samuel R. Kamhi, PH.D.
Elton P. Katz, M.D.
Murray V. King, PH.D.
Gerald L. Mechanic, PH.D.
Leighton B. Richards, PH.D.
Edward J. Riseborough, M.D.
Harilaos T. Sakellarides, M.D.
Charles Sorbie, M.D.
Dorothy F. Travis, PH.D.

Anesthesia

James E. Anliker, PH.D.
Cesare G. Coletta, M.D.
Brian S. Dalton, M.D.
John Hedley-Whyte, M.D.
David C. Jackson, M.D.
John G. Morgan, M.D.
Patrick F. Noone, M.D.
Talbot D. Seigne, M.D.
Gene M. Smith, PH.D.
Judith A. Tassie, M.D.

Pathology

Mira Ahuja, M.D.
Karoly Balogh, M.D.
Jochanan H. Boss, M.D.
Stanley E. H. Brooks, M.D.
Stanley Cohen, M.D.
Sheldon Cooperman, M.D.
Prafulchandra M. Dalal, M.D.
Arthur W. Duff, M.D.
Carlos M. Garrido, M.D.
Jonas Hallgrimsson, M.D.
Wallace A. Jones, M.D.
George Kury, M.D.
George F. Kwass, M.D.
Lorna J. Langer, PH.D.
Henry A. Leon, PH.D.
Preecha Lojananond, M.D.
Jorge E. Piza, M.D.
Victor Rosen, M.D.
Nobuski Sasano, M.D.
Harry J. Smith, M.D.
Tinrat Stitnimankarn, M.D., D.SC.
Karl H. Wegner, M.D.
Murray Wittner, PH.D.
Hubert J. Wolfe, M.D.

Radiology

Champlain Charest, M.D.
Neva M. Johnson, M.D.
John P. Lavender, M.D.
Norman D. Levine, M.D.
Donald L. Stone, M.D.
Lawrence Sweeney, M.D.
Toshiji Umezawa, M.D.

Blood Bank

Anthony F. H. Britten, M.D.

Biochemical Research

Kaney Ebisuzaki, PH.D.
Annette M. C. Rapin, PH.D.
Triplicane A. Sundararajan, PH.D.

McLEAN HOSPITAL

List of Officers of the McLean Hospital will be found on page 169.

The Ophthalmological and Otolaryngological needs of the Massachusetts General Hospital are served by the Massachusetts Eye and Ear Infirmary. Their Staff becomes a part of the Staff of the Massachusetts General Hospital and is as follows:

MASSACHUSETTS EYE AND EAR INFIRMARY

DEPARTMENT OF OPHTHALMOLOGY

Chief of Ophthalmology

Edwin B. Dunphy, M.D.

Consulting Chief of Ophthalmology

Frederick H. Verhoeff, M.D.

Surgeons in Ophthalmology

William P. Beetham, M.D.
Virgil G. Casten, M.D.
David G. Cogan, M.D.
Mahlon T. Easton, M.D.
Trygve Gundersen, M.D.
Brendan D. Leahey, M.D.
Garrett L. Sullivan, M.D.

Associate Surgeons in Ophthalmology

Henry F. Allen, M.D.
Harry E. Braconier, M.D.
Thomas Cavanaugh, M.D.
W. Morton Grant, M.D.
Carl C. Johnson, M.D.
Sumner D. Liebman, M.D.
Abraham Pollen, M.D.
Earl S. Seale, M.D.
Charles L. Schepens, M.D.
Albert E. Sloane, M.D.

Assistant Surgeons in Ophthalmology

D. Robert Alpert, M.D.
Frederic B. Breed, M.D.
Robert J. Brockhurst, M.D.
Julian F. Chisholm, Jr., M.D.
Joseph M. Clough, M.D.
Edward E. Covitz, M.D.
Thomas P. Cronin, M.D.
Warren D. Haley, M.D.
John M. Hill, M.D.
Charles H. MacLaughlin, M.D.
S. Forrest Martin, M.D.
Arthur M. Morrissey, M.D.
Henry A. Mosher, M.D.
Ichiro D. Okamura, M.D.
Richard B. Pippitt, M.D.
Karl Riemer, M.D.
David H. Scott, M.D.
Taylor R. Smith, M.D.
William Stone, Jr., M.D.
Francis J. West, M.D.

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*Leave of Absence

Assistants in Ophthalmology

S. Arthur Boruchoff, M.D.
Arthur F. Calnan, M.D.
Richard B. Chapman, M.D.
Eugene C. Ciccarelli, M.D.
David D. Donaldson, M.D.
Joseph L. Dowling, Jr., M.D.
Carl Gates Freese, Jr., M.D.
Ephraim Friedman, M.D.
John R. Gehring, M.D.
Robert J. Herm, M.D.
Paul D. Hurley, M.D.
David S. Johnson, M.D.
Carl Kupfer, M.D.
Robert C. Lawlor, M.D.
Byron S. Lingeman, M.D.
J. Wallace McMeel, M.D.
Irwin T. Mancall, M.D.
Bertha Offenbach, M.D.
George M. Olive, Jr., M.D.
Irving L. Pavlo, M.D.
Charles D. J. Regan, M.D.
Henry J. Ring, M.D.
Paul M. Runge, M.D.
Baruch J. Sachs, M.D.
Alfred W. Scott, M.D.
Jeremy B. Whitney, M.D.
Michael Wiedman, M.D.

DEPARTMENT OF OTOLARYNGOLOGY

Chief of Otolaryngology

Harold F. Schuknecht, M.D.

Surgeons in Otolaryngology

Walter J. E. Carroll, M.D.
J. Charles Drooker, M.D.
John R. Frazee, M.D.
Joseph Lentine, M.D.
Daniel Miller, M.D.
John R. Richardson, M.D.

Associate Surgeons in Otolaryngology

Charles Kent, M.D.
Robert E. Klotz, M.D.
Donald K. Lewis, M.D.
John E. McKeigue, M.D.
William W. Montgomery, M.D.
George F. Reed, M.D.
Aram Roopenian, M.D.
Herman J. Sternstein, M.D.
Bernard Zonderman, M.D.

Assistant Surgeons in Otolaryngology

Hugo D. Angelini, M.D.
Elizabeth DeBlois, M.D.
Louis E. Griffey, M.D.
Kenneth A. Kazanjian, M.D.
William P. Rogers, Jr., M.D.
Sidney R. Wilker, M.D.

Assistants in Otolaryngology

Frank W. Brady, M.D.
William L. Hayden, M.D.
Lawrence S. Hirsch, M.D.
Alfred L. Hurst, M.D.
Geza Jako, M.D.
David L. Pierce, M.D.
Daniel J. Reagan, M.D.
Sydney Shore, M.D.
Morris Swartz, M.D.
Mendell Robinson, M.D.
John C. Trakas, M.D.
Albert Weiser, M.D.
Albert H. Williams, M.D.
George H. Williams, M.D.

One Hundred Forty-Eighth Report of the Trustees

A SIGNIFICANT chapter was added to the long history of the Hospital this past year with the observance of its One Hundred and Fiftieth Anniversary. The three-day Convocation, which was officially opened on January 31, 1961 by President Kennedy in a televised message from the White House to the Nation, presented an occasion for critical review of the past and hopeful forecast for the future. A most distinguished group of world figures in fields of health and medicine attended and while pointing out the accomplishments already made, gave considerable emphasis to the magnitude of the problems which still lie ahead. That the Hospital continues to merit the confidence of the scientific world is attested by the caliber of appointments which have been made over the past many years, and which continue to number most distinguished men in their respective fields. With all the satisfaction and indeed excitement attendant upon development and discovery in these technical fields we continue our conviction that our primary concern shall be the care of the patient and that in this area we shall be among the leaders in putting into effect new and improved procedures.

After a lifetime of service to the Hospital and seventeen years on the Board, Mrs. Robert Homans decided that she would not accept reappointment as a Trustee. Her decision was accepted with great regret at the February 17 meeting of the Board. She had for many years served as a member of the Advisory Committee to the School of Nursing and has been appointed Honorary Member for life of the Advisory Committee of the McLean Hospital School of Nursing. Her service to the Hospital has been most devoted and she will be missed by both the Staff and Trustees. As the appointee of the Governor of the Commonwealth she was succeeded by Mr. Elliot Richardson, who directly and through his family has always had a close association with the Hospital.

When Dr. Dean Clark's resignation as General Director, tendered for reasons of health, was accepted on September 29, 1961, he took with him the good will of the Trustees and their deep appreciation for the many constructive things he had done for the Hospital during his twelve years of service. While a successor to Dr. Clark has not yet been appointed, the Hospital is fortunate in having Dr. Ellsworth T. Neumann, who first came to the Hospital under Dr. Faxon, to act as administrator. In association with Dr. John H. Knowles, who was recently appointed Director for Medical Affairs, the leadership of the Hospital is in strong hands while the Trustees seek the best solution to the operating problems of so complex an organization as the present day teaching hospital.

The Anniversary capital fund drive, which currently has produced twelve million dollars, has been most heartening in many respects. At the same time it has made clear the type of financial problem faced by this and other large hospitals. It seems apparent that we cannot rely on massive support from either private foundations or corporate units, but that we must instead seek the steady flow of less spectacular constant sources of funds through gifts and bequests. The financial demands will certainly not diminish and without steady support from private sectors there can be no alternative than direct or indirect government subsidy with its attendant questions and problems.

The major building undertaking of the past year has been the construction of the new Rehabilitation Center at the McLean Hospital in Belmont now scheduled for completion in 1963. This is the first major addition for patient care at the McLean Hospital since the turn of the century. This addition was made possible by the 150th Anniversary Fund. Planning continues for building additions and improvements at the General Hospital in Boston.

Beginning in September 1961 a new program in the School of Nursing was offered in which the Massachusetts General Hospital and Northeastern University have combined their resources to provide an enriched curriculum. The student who selects and successfully completes this program will be eligible for a Diploma in Nursing and the Degree of Associate

in Science in a period of three years. This is another step forward in the steady improvements to our nursing program made under the leadership of Miss Ruth Sleeper.

Among the appointments made during the year, two were to newly created positions. Dr. John H. Knowles was appointed Director for Medical Affairs. This position was created to coordinate and support the physicians of the Hospital in their medical advances and projects. Dr. Herman M. Kalckar was appointed Henry S. Wellcome Research Biochemist at the Massachusetts General Hospital and simultaneously became Professor of Biological Chemistry at the Harvard Medical School.

The following resignations occurred during 1961: Dr. Evan Calkins, Associate Physician, July 31; Dr. Joseph Stokes, Assistant Physician, September 30; Dr. Willard Dalrymple, Assistant in Medicine, August 31; and Dr. William A. Tisdale, Assistant in Medicine, August 31.

In conclusion, the Trustees feel that the continuous search for quality in the services rendered and excellence in the care of the patient has been most rewarding during the past year and there is every indication that with the strength of the Staff available and the devotion to the many problems facing all members of the Staff, the Hospital will continue to make its leadership evident and its services available not only to this area but to the entire medical world.

LLOYD D. BRACE
FRANCIS W. HATCH
For the Trustees

Report of the Administrator

AS the Massachusetts General Hospital moves into its second century and a half and the excitement of the 150th Anniversary Celebration is subsiding, many of us who were a part of it are more than ever before conscious of the magnificent heritage that has been entrusted to us. We find ourselves not only more familiar with the chronological development of the Hospital to its present state, but even more deeply concerned with the relationship of this past growth to future greater development.

The Massachusetts General Hospital has served best when it has anticipated community needs and has pioneered services most suited to fulfill these needs. The chronology of the Hospital's major contributions throughout its history shows that when action was taken in anticipation of a future community need, inevitably community approval and generous support resulted. Evidence of this is to be found in the constant and increasing use of the Hospital's services and financial support for them, whether they were offered in patient care, in teaching or in research.

The founding of the Hospital and the support of it throughout its history clearly demonstrate that the community will support what the community wants and, conversely, will withhold support if in its judgment its needs are not being met. The community's obvious willingness to support excellence in patient care, teaching and research has enabled us to reach our principal goals and maintain our standards throughout depressions, recessions, wars and other periods when the community's major concern was elsewhere.

A few examples will bear out the fact that the major contributions of this Hospital have come about as a direct result of the recognition *in advance* of the future desires and needs of the community.

For instance, in 1811, the Hospital was established by the community to satisfy a community need for skilled physicians and better medical care.

In estimating the demand of the community for hospital care, the original founders of the Hospital recognized that those who had no homes needed hospital care as well as medical treatment to survive. In this century the Trustees recognized that the well-to-do would prefer hospitalization to home care and consequently the Phillips House was built in 1917. Again in the 1930's they recognized and anticipated the growth of the great American middle class and its future desire for private care in hospitals at reasonable prices. The building of the Baker Memorial for people of moderate means was the answer provided by the Hospital.

How do we apply the lessons of the past as we plan for the future of the Hospital?

We must first recognize that there is a chronology in our community needs and desires which must be taken seriously, anticipated in advance and fulfilled if we are to continue our history of intelligent trusteeship.

This effort to pioneer new services to meet these new and often ill-defined community needs requires predictive powers. It probably also requires the constant overextension of energies and material resources.

It further requires that the Administration encourage the expression of new and differing views by individuals and groups representng the many disciplines within the Hospital. At the same time there must always be inter-disciplinary relationships that preserve the dynamism created by these free-flowing ideas. These ideas must be communicated with administrative support and understanding and with a minimum of administrative restrictions in such a way that vigorous collaboration becomes the motivating force leading toward excellence in the Hospital's ever increasing contributions to the community and to patient care.

How the pattern of the past and present continues to be the basic principle on which the Hospital today plans for increasing service to the community is clearly evident in the new or broadened activities of the Hospital. Two typical examples follow.

In anticipating the community's changing methods of support for patients who can only partially pay for their medical needs, the Hospital anticipated a few years ago that payment by the

community's official state and local agencies would soon play an important role in supplementing the Hospital's limited resources. An increasingly important partnership with these community agencies has materially increased our patient care potential which is reflected in the vitality of our Teaching Services and the increasing number of patients given meticulous care by these Services.

For more than a decade the Hospiatl has anticipated that new and improved methods for providing ambulatory care would be increasingly demanded by the public. When this was coupled with the observation that doctors were reducing their long work week, community need for a twenty-four hour highly developed emergency care unit was predicted. Accordingly, the Hospital reorganized the Emergency Ward with the result that it now treats, on the average, one patient every twelve minutes around the clock — an astounding response from the community.

In turning from the present to the future, there are patterns of community action and thinking which suggest several potential contributions by the Massachusetts General Hospital.

It is possible to predict that the enormous growth of health and welfare funds will be the agency through which many consumers will not only group themselves together for the payment of medical care costs, but will also be the agency through which they will seek the leadership for choosing the quality of care needed and for choosing the purveyors of this medical care. Should we correctly anticipate and satisfy the medical needs of these consumer groups in the future and inaugurate methods for caring for these needs, it is probable that we will receive the future support of the community in expanding such efforts.

It is relatively easy also to predict that the community will support a greater coordination of the community's hospital facilities with the hope that this will provide better utilization of these very expensive facilities. Our history of being an end point for referrals from other hospitals for those patients who need unusual care has made us unofficially a "regional hospital". Although we are hard put to keep up with our own needs, it is possible to foresee the supplying of certain services by this Hospital to other hospitals. Our laboratories, coordinated emergency services and our automated accounting methods come to mind immediately as possibilities.

In research there is evidence that the public will be increasingly aware of the behavioral sciences and their potential. It is possible that they will desire closer amalgamation of the medical and social sciences and will support a growing effort involving our Psychiatric Service here and at McLean Hospital in a still greater research effort.

A review of the past year has been kept to the last deliberately. It was a year which inspired awe in even the "veterans" of the Massachusetts General Hospital. With a stringent austerity program to correct the previous year's financial imbalance and with a vastly increased community demand for care, the staff, personnel and volunteers gave far beyond anything asked by the leadership. The evidence that loyalty, dedication, understanding and mutual support can carry individuals and groups to such distant limits of service awes even those who have noted in the past that "intangibles" rather than material resources explain the handling of community or hospital crises at the Massachusetts General Hospital.

ELLSWORTH NEUMANN, M.D.
Administrator

Report of the General Executive Committee

THE beginning of the year found the Committee engaged in an exploration of the underlying causes of a temporary recession of the patient census followed shortly by a critical shortage of nurses during the month of May which made a further reduction in the number of available beds mandatory. The clinical services were asked to discuss these grave hospital problems individually or in groups and letters were requested from Chiefs of Services. These letters were reviewed and the pertinent suggestions they contained carefully explored or referred to appropriate administrative units. A theme repeated in many letters was the increasing difficulty in internal communication with the result that the various units of the Staff are no longer familiar with each other's activities and goals. Drs. Lindemann and Castleman had previously explored another aspect of the same subject in behalf of the Committee, particularly with respect to the plethora of committees chartered by the General Executive Committee and reporting to it.

This expression of uneasiness stemming from the Staff was given serious consideration and specific measures were planned to help the exchange of information. There is no ready solution for this problem which arises from the increasing complexity and diversity of affairs within the large and loose organization of busy people making up the Hospital. Those who have served on the staffs of more tightly organized institutions may recognize a certain efficiency achieved, but would be the first to warn against a reliance on strengthened administrative techniques which inevitably introduce sanctions for failure of compliance and end in a stern disciplinarian regime. Other members of the Staff appear to cherish a belief that Hospital affairs would flourish if conducted with more democracy. "Democracy" is fundamentally a political term applying to the government of the nation, the commonwealth, and the city. The majority vote determines what policies are to be adopted

and what persons are to be elected to carry out those policies. No better way has been found of settling political action. Americans have repeatedly laid down their lives for this principle in which we devoutly believe. At the same time, as physicians, scientists and educators we are ready to fight to the last ditch to prevent the care of the individual patient, research and education from falling under political control and the rule of majority vote. Letters and comments of staff members often display a lack of understanding of the organizational structure of the hospital within which they spend the days and years of their professional life. The hospital is one of the unique creations of our culture. It can neither achieve the efficiency of a tightly administered facility which is pointed toward a limited objective such as winning a war, nor can it turn to a majority vote to promote the common welfare sought by the inhabitants of a political unit. The hospital means many different things to many different people. To the physician or surgeon responsible for a critically ill patient it means ready access to measures that will determine the issue between life and death within the next few minutes or hours; to the teacher it means preparation of a student to assume a similar responsibility here or elsewhere at some future time; to the research worker it means the development of more precise measures to dispel the fog of uncertainty that clouds today's decisions and efforts.

Only a systematic effort and the expenditure of some modicum of his precious time will enable a member of the Hospital Staff to keep himself informed of its increasingly complex activities. Credence given to rumors, highly colored personal judgments, uninformed criticisms and just plain gripes contribute to an atmosphere of uneasiness and confusion. Suspicion and distrust of motivations are fostered by the prevailing background of dialectic and uncertainty that permeates the health professions beyond the walls of the hospital today. All over the world the spotlight is centering on the circumstances which surround the socioeconomic consequences of the once simple act of helping one's fellow man when he is in difficulty.

On April 18, 1961 the Committee invited opinions from individual staff members on the future trend of medical prac-

tice at the Hospital. This could have been called Operation Crystal Ball. More than 90 answers were received. The nature of the request and the highly individualistic character of the replies made it possible to identify a consensus of opinion. This was in itself significant. At least the staff is not split into factions as is the body politic! There was the familiar tendency on the part of those who focus their efforts on the day's task of caring for the sick to appropriate this highly moral end as peculiarly their own and feel that they are being eclipsed by the educators and the scientists whose task is the care of tomorrow's sick. With no significant consensus discernible in the replies, what amounted to an open-end transcription of extracts from individual letters was distributed to the Staff on March 22, 1962. These filled some 48 pages of mimeographed typescript and at least provided the Staff with a mirror in which to see its own attitudes and postures. There was plenty of fog on the mirror so the Committee felt assured that resuscitation measures should be continued.

The writer carefully refrained from interjecting a personal opinion, not even a letter of his own into this open-end discussion. Now that he can no longer be suspected of having personal stakes in the outcome, a brief comment will be submitted. This is it. It is the height of folly for the Hospital which boasts of the excellence of medical care as its primary responsibility to delay turning its attention to a study of the methods by which medical service is distributed to the society it is serving. Such a study can only be accomplished by carefully planned experiments. The Staff has always been proud of the Massachusetts General Hospital and an unselfish attitude by its members from all walks of life has made the Hospital what it is today. Far seeing preparation to meet the needs of the community for medical service has been the foundation of its greatness. Preoccupation with efficiency and its own internal welfare can consume the available energies of the Staff. The uneasiness about a breakdown in internal communication in part stems from the fear that someone else with another interest at heart is achieving space, fiscal support or recognition that rightly should be flowing toward one's own interests. Internal welfare means the maintenance of a fair and impartial balance

among the many interests. The careful studies of the General Director have shown a remarkable equilibrium over the 1950-1960 decade surveyed, despite anxieties and impressions to the contrary. The activities studied were those represented as the threefold goal of the Hospital of a few decades ago—care of the patient, teaching and research. This "milking stool" on which the Hospital envisioned itself perched remains stable. But the community to which it owes its existence is far from being in equilibrium. From the time of the first smashing victory of F.D.R. to the close but determinate triumph of J.F.K. the population of the American Republic has grown from 120 million to 180 million. Several millions of surplus people have left the farms, replaced by labor saving machinery. The new sociological phenomenon of suburbia has appeared. Identification of the inhabitants with geographically or socially defined community life is at a low ebb. The euphemism "senior citizen" has been added to the American language and legislation for "Eldercare" has gained prominence as a medico-political issue. The people of the new suburbia are citizens either with or without employment or too old to find a steady job. They are clamoring for doctors whom they can trust, who are educated and trained in the medicine and surgery they read about in the daily press.

Factual information about the needs and demands for medical service in the new suburbia is lacking. Facts about the hopes and expectations of the inhabitants are being made increasingly clear. The profession is reluctant to face a realistic judgment of quality of medical care but the people themselves are rapidly gaining sophistication.

A trial balloon was floated at the autumn dinner of the M.G.H. Corporation proposing that a pilot study in the form of an experiment be undertaken which would extend M.G.H. standards into some segment of suburbia. It met with cool reception in some quarters on the grounds that such an enterprise might dissipate the energies required to do more of the same things now being done so intensely on Fruit Street. In other quarters the suggestion was received with enthusiasm. On July 12, 1961 the General Executive Committee appointed a committee "to consider the possibility of a general medical

and surgical development on the McLean Hospital site." This Committee under the Chairmanship of Dr. Claude Welch has been working hard during the past winter. It has recently submitted a preliminary report and has identified one of the prime goals as "an attempt to reduce the cost of health maintenance for the middle-income individual." More will be heard about this matter in future annual reports.

Among the responsibilities of the General Executive Committee is the privilege of proposing the recipient of the Warren Triennial Prize. This year the Warren Prize was awarded to Dr. George Palade of the Rockefeller Institute and Dr. Keith Porter of the Biological Laboratories, Harvard University for their contributions to the knowledge of the ultra-structure of cells. On invitation of the Trustees the Warren Prize Lectures were delivered in the spring of 1962.

On Ether Day, 1961 a Treadwell Award was presented to Dr. Joseph C. Aub with a citation appropriate to his many contributions to medical science and to the Hospital.

A recommendation that the Radiology Seminar Room on White 2 be named The George W. Holmes Library was approved by the Trustees. The Laboratory of Neuropathology now bears the designation Charles S. Kubik Laboratory in honor of its founder.

Doctors Daniel Ellis and Claude Welch were appointed to the General Executive Committee for terms beginning July 1, 1961 as the nominees chosen by a General Staff ballot. Dr. Welch replaced Dr. Richard H. Sweet whose period of service terminated with his retirement from the practice of medicine. Dr. Ellis succeeded himself in a second term.

Changes in the Staff are announced during the year in issues of The News; a few particularly notable changes are recorded in this report. Dr. Evans Calkins accepted appointment as Professor of Medicine at Buffalo and Dr. William Waddell left the M.G.H. as of August 31st to become Professor of Surgery, University of Colorado. "Datogram" a publication of the Association of Medical Colleges, recently reported that the M.G.H. was fourth among hospitals in the training of members of full-time academic personnel now active in American medical schools.

Following her resignation on February 1, 1961 Dr. Mary A. B. Brazier is continuing her distinguished work in the field of the electrical activity of the nervous system at the Brain Research Institute, University of California (Berkeley).

On September 20th Dr. John H. Knowles was welcomed as a member of the General Executive Committee coincident with his appointment as General Director of the Hospital by the Trustees. His illuminating study on the balance of hospital activities during the 1950-1960 decade has already been mentioned.

It has been a privilege to welcome Dr. Herman M. Kalckar as Biochemist and have research activities renewed in the laboratories once occupied by Dr. Lipmann. Research in biochemistry has also been strengthened during the year by the recognition of the fundamental studies of Dr. Roger Jeanloz and Dr. Lewis Engel, both of whom have received the title of Biochemist by vote of the Trustees. Dr. Gordon Brownell accepted the newly created position of Applied Physicist and will continue as a link between M.I.T. and M.G.H. The position of Chief of the Pathology Department, occupied by Dr. Benjamin Castleman, was recognized by Harvard and the Trustees as a Hospital Full-Time Professorship and the academic title of Dr. Castleman changed correspondingly. The title of Sylvester B. Kelley was changed to Consulting Visiting Surgeon (Urology) and those of Doctors Charles L. Short and Edward F. Bland to Consulting Visiting Physicians. The death of Dr. Richard H. Sweet on January 11, 1962 shocked his many friends. Dr. Sweet had been appointed Consulting Visiting Surgeon on June 30, 1961 and despite the relinquishment of his practice had looked forward to participation in teaching activities. Dr. James C. White, Chief of the Neurosurgical Service was succeeded by Dr. William H. Sweet on July 1, 1961. It is a pleasure to welcome the return of Dr. Richard Schatzki as Consulting Visiting Radiologist again to take up teaching responsibilities. The position of Associate Professor of Orthopedic Surgery (Hospital Full-Time) was established by joint action of the Medical School and Hospital and Dr. Melvin J. Glimcher nominated as the first incumbent. His ap-

pointment has been approved by the governing bodies of both institutions and will be activated in July, 1962.

At the request of the Staff, the General Executive Committee during the year devoted considerable effort and time to the revision of the rules concerning the age at which Staff members relinquish their hospital-related duties and the titles consistent with these duties. These revisions were recommended to the Board of Trustees and subsequently approved by them.

Several important organizational changes have been studied by the Committee and accepted by the Trustees on its recommendation. A lay group was authorized to serve as an Advisory Committee for Child Psychiatry. This important and expanding field of endeavor will receive added strength from the interest of this panel of community citizens. The Rules and Regulations of the Trustees which define the limits of responsibility and authority of the General Executive Committee and its subsidiary committees were presented for study and confirmation by Dr. Nathaniel W. Faxon. The Committee reviewed this document in detail and is grateful to Dr. Faxon for his painstaking efforts to incorporate the many changes of recent years. The Phillips House and Baker Memorial Committees, originally separate bodies, had met jointly for several years and were merged into a single committee. On proposal of the Children's Medical Service, a sweeping organizational change was forwarded to the Trustees and approved by them. The name of this growing hospital service was changed to the Children's Service and an appropriate structure of professional committees established to coordinate the wide span of interests —Surgery, Neurology, Psychiatry, Dentistry and Anesthesia that converge from adult medicine into this field. The importance of establishing orderly procedure and clarification of responsibilities was recognized at the outset by Dr. Nathan B. Talbot who shortly after the end of the year was appointed Chief of the Service. The reorganization of what is now the Children's Service gives added momentum to the development in Children's Surgery under the direction of Dr. William H. Hendren who prepared himself over a period of several years to acquire the diagnostic and operative skills required in this field which in metropolitan areas has grown to the stature of a

specialty. Under his energetic leadership the surgical problems of childhood are now represented at the M.G.H. as never before in our history. Children undergoing surgery at the present time number about 500 more per year than in 1958.

A strong impetus to Child Urology had been fostered by Dr. Wyland Leadbetter and his associate Dr. Guy Leadbetter, for a number of years. This development now reinforced by the increase in general surgery of childhood is presently outstanding in the U.S.A.

A Respiratory Unit for intensive care of patients requiring close observation and highly technical management of their breathing was opened on the second floor of the Phillips House. It is available to patients from all parts of the Hospital. Medical responsibility for the Unit is in the capable hands of Dr. Henning Pontoppidan and his associates in the Anesthesia Department. Twenty-four hour expert supervision is provided and the Unit is prepared to apply emergency measures at all times, including clearing of the airway, tracheostomy, ventilatory assistance, and cardiac resuscitation. This Unit proved its essential usefulness in a brief period of time and many lives have been saved by the expert knowledge and skills that can instantly be brought into effective action. The General Executive Committee gave careful consideration to the responsibilities implied in transferring authority for undertaking emergency measures from the physician in charge of a patient to the personnel of the Unit. Every reasonable effort will be made to consult the physician of the patient, but admission to the Unit in itself transfers authority to apply emergency measures should occasion arise.

In an endeavor to strengthen the lines of Hospital internal communication the weekly meetings of the General Executive Committee were lengthened to an hour and a half, and a schedule was arranged to start each meeting by hearing a report from subcommittees and Chiefs of Services and Departments. With few exceptions these reports were mimeographed and distributed to the Staff. As each report is lengthy and documented by facts and figures it is only possible to select a few salient points as illustrative of the vigorous activity and excellence being achieved at Service and Departmental levels.

In the Department of Pathology the Clinico-Pathological Conferences have assumed the stature of a world wide teaching program. There are 150 hospitals on the mailing list and, aided by a grant from the Eli Lilly Company, 150 medical schools in developing lands regularly receive the Conferences and visual aids that accompany them. It is estimated by Dr. Castleman that the monthly exercises reach over 10,000 medical students throughout the world.

In addition to a House Staff of 31 physicians, the Medical Services are educationally responsible for 80 Clinical and Research Fellows supported by outside agencies. The research budget approximates 1.5 million dollars a year. Fifty registrants from the U.S.A. and about 10 from foreign countries attend the annual Graduate Course in Internal Medicine. Dr. Bauer reports that the teaching program on the private services has developed admirably under the leadership of Dr. Alfred Kranes. The Training Program in Neurology as described by Dr. Raymond D. Adams is now geared to 9 Residents and 31 Fellows. It extends into the Shattuck Hospital and includes as well the unit led by Dr. Philip Dodge in the Children's area and Kennedy Unit. The Department of Neuropathology at Harvard Medical School has become the direct responsibility of Dr. Adams.

The Gynecology Service is headed by Dr. Howard Ulfelder, recently appointed the first Joe V. Meigs Professor of Gynecology at the Harvard Medical School and is the central activity of the Vincent Memorial Hospital, corporately separate from the M.G.H. Dr. Ulfelder reports the highest proportion of malignant disease of any Service, some 35-40 per cent of bed days being taken up by patients with cancer. The Research Unit is primarily concerned with the function of endocrine organs under the leadership of Doctors Janet W. McArthur and George S. Richardson. The Service of Orthopedic Surgery embraces a wide scope of clinical activities in rehabilitation, fracture management, care of amputees, child surgery and arthritis in appropriate special clinics, often in liaison with other Services. Insurance and compensation cases contribute to a heavy load of private patients of the Staff. The research laboratory development under Dr. Melvin J. Glimcher launched

two years ago is already raising new needs for space as it has become a center for many hospital-wide activities.

Dr. David Weisberger, Chief of Dental Medicine, reported an increase of ambulatory patients to 4,500 visits a year. Close liaison is maintained with the Tumor Clinic and an active program maintained in the instruction of Harvard dental students and the training of a House Staff of one Resident and two Interns. Applications for House Staff positions numbered 226 last year. Dr. Welch reported on the Tumor Clinic which numbers 80 Staff members on its roster.

Dr. Morten Grove-Rasmussen described the amazing development of the Blood Bank and Transfusion Service under his direction. The activities of this Unit have assumed such regional and national scope that they have been featured in the press. The Intravenous Service, one of its branch activities under Mrs. Ada Plummer, started in 1940 when the M.G.H. was one of the first hospitals to assign a nurse as Intravenous Therapist. Now its staff is comprised of nine skilled nurses and conducts its own 4 weeks' training course to supply other hospitals. Their service has expanded to other ancillary procedures. In 1940 Mrs. Plummer answered 300 calls; in 1959, 4 nurses responded to 17,512 calls and in 1960, 9 nurses answered 42,000 calls. A superb record of many hits but no errors has been maintained in collecting blood samples for typing and administering transfusions. The Intravenous Service only serves the Phillips House and Baker Memorial. The growing need in the General Hospital is met by House Staff.

The increasing work load and complexity of the Hospital is above all illustrated in the task of the Department of Radiology as related by Dr. Laurence L. Robbins. The volume of X-ray work has increased at a constant rate of 10 per cent a year, and now amounts to more examinations and treatments per year than the total done in 5 of the main teaching hospitals in Boston. By means of an escalator formula it has been possible to increase the Staff gradually to approach the work load but not keep abreast of it.

Another similar growth was reported by Dr. Henry K. Beecher, who has directed the Anesthesia Service for twenty-five years. This Service supplies 13,500 administrations of

anesthesia a year as well as preoperative and postoperative visits to patients. The Respiratory Unit described above is also its medical responsibility in addition to emergency resuscitation measures supplied to patients elsewhere, on a 24 hour basis. Dr. Beecher now heads a staff numbering 76 (including 19 fully trained physicians and 19 residents). Of a total of 172 residents who have received training at the M.G.H., one-half are pursuing careers in teaching institutions and 22 are Professors.

Other reports received from Dr. Erich Lindemann with respect to Psychiatry and Dr. Alfred H. Stanton regarding McLean Hospital; from Dr. William H. Sweet, Chief of Neurosurgery; Dr. Wyland Leadbetter, Chief of Urology; and Dr. Thomas B. Fitzpatrick, Chief of Dermatology, display equally vigorous activity and efforts to keep abreast of present needs as well as plans to meet the inevitable demands of the future.

In closing this Report of the General Executive Committee the sobering thought: Are we nearing the limits of our capacity? comes to mind. Progress only comes from doing more with less, thereby releasing energy for new undertakings. Insofar as energy is consumed by efforts to attain efficiency, internal welfare and security, the same panaceas are being applied to the M.G.H. that are common to other human activities of our culture—industry, labor unions, government agencies and others. But, the Massachusetts General Hospital is a unique institution embarking on the fourth 50 years of its life. Insofar as its energies become unavailable for new undertakings it will become a contracting not a forward moving institution. A grander design of increased usefulness, a new model of its primary purposes lies ahead for those who dare to grasp it.

EDWARD D. CHURCHILL, M.D., *Chairman*
WALTER BAUER, M.D.
BENJAMIN CASTLEMAN, M.D.
DANIEL S. ELLIS, M.D.
JOHN H. KNOWLES, M.D.
ERICH LINDEMANN, M.D.
ELLSWORTH T. NEUMANN, M.D.
LAURENCE L. ROBBINS, M.D.
ALFRED H. STANTON, M.D.
CLAUDE E. WELCH, M.D.
ANNE R. MCLAUGHLIN, *Recording Secretary*

Report on the Growth of the Hospital from 1950-1960

THERE are two main areas of activity and interest in the contemporary, academically affiliated hospital—that concerned with the university function of teaching and research, and that concerned with the community function of patient care. These interests are vitally inter-related, complementary, and indeed, inseparable. Striving for the proper balance of activities related to the final common goal of the best care for the sick, we recognize the necessity for nurturing academic excellence and, at the same time, the necessity for maintaining a strong social conscience and a direct relationship to the community in terms of patient care. A continuing study of these areas of interest is being undertaken to assess the balance of forces within the M.G.H. Such studies should give the Hospital Staff a foundation of fact upon which to assess its present position. Continuing study of local and national attitudes and action as regards health services should allow successful future planning for the Hospital.

The present balance and trends of the Hospital can be estimated by analyzing the allocation of space, personnel, budget and new construction between 1950 and 1960 — 10 years chosen arbitrarily, spanning coincidentally my own observational experience in this institution. These material changes lend themselves readily to analysis. Overall, the hospital budget (expense) in 1950 was 7.8 million while the research budget (mainly Federal funds) was 1.4 million (15.2% of a total of 9.2 million). In 1960, comparable figures were 17.2 million, 5.2 million (23.2% of a total of 22.4 million).

The total amount of money spent on major construction and alteration projects from 1950 to 1962 was $12,700,000 of which $6,100,000 (48%) was spent on research activities and $6,600,000 (52%) was spent on Clinical and Teaching Services. The clinical area received $4,200,000 (36%) and the teaching area received $2,000,000. This latter arbitrarily includes heavy expenditure for housing.

In the research area, the major expenditures are represented by the Research Building ($1,979,311), the Warren Building floors for laboratories ($1,866,652) and the Kennedy addition to the Burnham Memorial Building ($1,023,616). Orthopedic ($440,495), Neurosurgical ($206,744), Psychiatry ($186,196) and Thyroid Laboratories ($124,000) were the other major expenditures, all with United States Public Health Service matching funds.

The major additions to the clinical area of the Hospital are represented by 1) the Warren Building floors for doctors' offices and the Baker Solaria, the latter increasing the number of beds by 32 ($2,640,901), 2) the Phillips House addition increasing the number of beds by 28, ($640,414), 3) the White-3 Recovery Room ($325,697) and 4) the Baker-2 X-ray addition ($307,494). The number of hospital beds used increased from 851 in 1952 to 959 in 1961, mostly in the private and semi-private areas.

The major additions in teaching and housing areas consisted of 1) Bartlett Hall for nurses ($1,026,158), 2) the Lincolnshire purchase and initial alteration ($419,569) and 3) the Warren Building teaching space for Pathology ($509,486).

In 1951, the total research area of the Hospital was 30,075.89 square feet or 4.9% of the total hospital area. The research area has more than trebled to 1960 (324% of original) when it equalled 97,262 square feet and 15.1% of total area. While the absolute increase in research area was 67,186.11 square feet, the total hospital area increased 35,378.39 square feet. This apparent encroachment of research area on total hospital area was in part due to 1) torn down buildings such as the old stables and the Parkman Street houses, which were service areas not replaced; 2) the addition of the Bulfinch-4 and basement areas, taking them out of other categories and putting them into the research area. It must be understood that there has been no apparent encroachment on patient care areas, the number of beds having increased during this period. However one must also state that the *Service Areas* (e.g. Radiology, Emergency Ward) of the Hospital have not enjoyed comparable expansion. The Scientific Advisory Committee to the Trustees made up of scientists of national repute wrote in their latest report that, "The

proportion of space in the Hospital now being devoted to research (15.1%) appears to be relatively modest."

The largest areas of research within medicine are Arthritis (which includes the Arthritis Unit, Biology Laboratory, Carbohydrate Chemistry Laboratory, and Protein Chemistry Laboratory), Thyroid, Endocrinology, Gastroenterology and Hematology. The areas of overall research most heavily represented in terms of space are, in order, the Huntington Memorial Group (Cancer Research), Arthritis, General Surgery, Pathology, Psychiatry, Neurology, Orthopedics, Neurosurgery, and Dermatology. The areas of activity with the least square footage definitely assigned to research are, in order, Cardiac Research, Vincent Memorial (Gynecology), Radiology and Urology. The greatest growth as manifested by percentage increase in space over the past ten years has been, in order, Medicine, Orthopedics, Neurosurgery, Bacteriology, and Psychiatry. (Figures for comparison are not available for Pathology which had a major proportionate increase in space.) The least proportionate growth in research area has been in Children's Medical Research, Vincent Memorial (Gynecology), Dermatology, Arthritis, General Surgery, and Anesthesia. Obviously, this must be balanced by observation of the total space the specialty has (e.g. Arthritis has a large area, little growth in space). It should be noted that with the opening of the Kennedy Laboratories, Neurology will add 6,978 square feet to total 11,892 square feet, the largest single area of research in the Hospital. Neurosurgery will add 1,271 square feet to total 6,074 square feet.

It is of interest to compare the distribution of the Staff as regards practice or research (or various combinations) in 1950 versus 1960 (Table I). Generally these figures for each Service reflect the same trends as do the space figures, as would be expected. Particularly striking are the changes toward research activities of the Staffs of Medicine, Psychiatry, Orthopedics, Neurosurgery, and Neurology, while the number of individuals in full-time practice has decreased or remained stable in each specialty except Neurology where there has been a small increase and Orthopedics where there has been a large increase in practicing staff. The Surgical Service has remained stable over the ten-year period except for House Staff which has increased from 36 to 45.

The number of physicians in full time practice has remained stable over the 10-year period, while those engaged in part or full-time research has increased markedly. Clinical and Research Fellows have nearly doubled in number from 84 to 161 and the House Staff has increased from 105 to 136 individuals.

The relatively stable practicing staff is of great interest in 1950 and 1960—particularly when viewed in the light of increased clinical work (both ward and private) done during each year. This has been summarized with pertinent figures in Table II.

With a stable practicing staff in the face of such marked increases in patients admitted and surgical operations (and increase in the number of beds) the practicing staff must be seeing more patients and working harder (with "increased efficiency") then in 1950, a phenomenon in American medicine which has been noted by others (Somers and Somers). The work involved in caring for the numbers of patients in the General Hospital has been absorbed by a marked increase in the numbers of House Staff—and the greatest increases in clinical work have occurred in this area. Relatively smaller increases have occurred in the private and semi-private areas.

Thus it can be seen that the research and clinical interests have grown apace over the past decade. The research and teaching and care of patient activities are mutually supportive and well balanced. The Scientific Advisory Committee stated in their latest report that, "The recent expansion of the Hospital's research program has stimulated a significant improvement in the standards of patient care and teaching." Future scrutiny of the Hospital's total mission may well reveal a continuation of this valued balance, when viewed in the context of the future.

TABLE I

CHANGES IN THE STAFF

	1950	*1960*
Practicing Staff (practitioners)	216	211
Full-time Harvard System	52	61
Physician-Scientist	17	27
Non-Clinical Investigators	7	38
House Staff	105	136
Clinical and Research Fellows	84	161

TABLE II
CHANGES IN CLINICAL AREAS

	1950	*1960*
Patients Admitted	16,939	24,610
Surgical Operations	11,777	13,861
Radiology Department (patients examined and treated)	61,841	127,363
Out-Patient (Total Visits)	195,849	225,456
Emergency Ward (patients treated)	15,335	38,258
Number of beds used	851	958
	(1952)	(1961)

JOHN H. KNOWLES, M.D.
*Director for Medical Affairs**

*Dr. Knowles was appointed General Director on February 16, 1962.

Report of the Committee on Research

THE Hospital's research program continues to appear vigorous. The total annual expenditures for research increased another 8% to 5.6 million in 1961. An appreciable addition to the research space is being made with the construction of the Joseph P. Kennedy, Jr., Laboratories for Research in Mental Retardation. These laboratories were made possible by a generous gift from the Joseph P. Kennedy, Jr. Memorial Foundation, with additional funds from the National Institutes of Health and from the Spaulding-Potter Trust. They occupy three floors on the top of the Vincent-Burnham Building—the original seventh floor, which had previously been largely unfinished inside, and two new floors above. The new laboratory area thus made available totals 15,000 square feet and will provide facilities for about 30 investigators. The techniques of biochemistry, neurophysiology, experimental psychology, and genetics will be applied to the study of diseases of the nervous system of infants and children. Dr. Raymond D. Adams, Chief of the Neurology Service, will be the director of these laboratories.

A major renovation of laboratory space was effected on the fifth floor of the Research Building to adapt the laboratories, previously occupied by Dr. Fritz Lipmann, to meet the requirements of the studies being performed by Dr. Herman Kalckar. In the few months that he has been here, Dr. Kalckar has established a group of seven investigators to work in the area of biochemical genetics. The addition of this distinguished scientist and his collaborators has already made a strong and favorable impact on the research effort of the Hospital.

During 1961, the Hospital received notification that two of its applications for "Center Grants" had been approved by the National Institutes of Health. One, a Metabolic Center grant, will provide support for studies on the Metabolic ward on Bulfinch 1. The other, a Cardiovascular Center grant, will make possible a much needed extension of our research in the

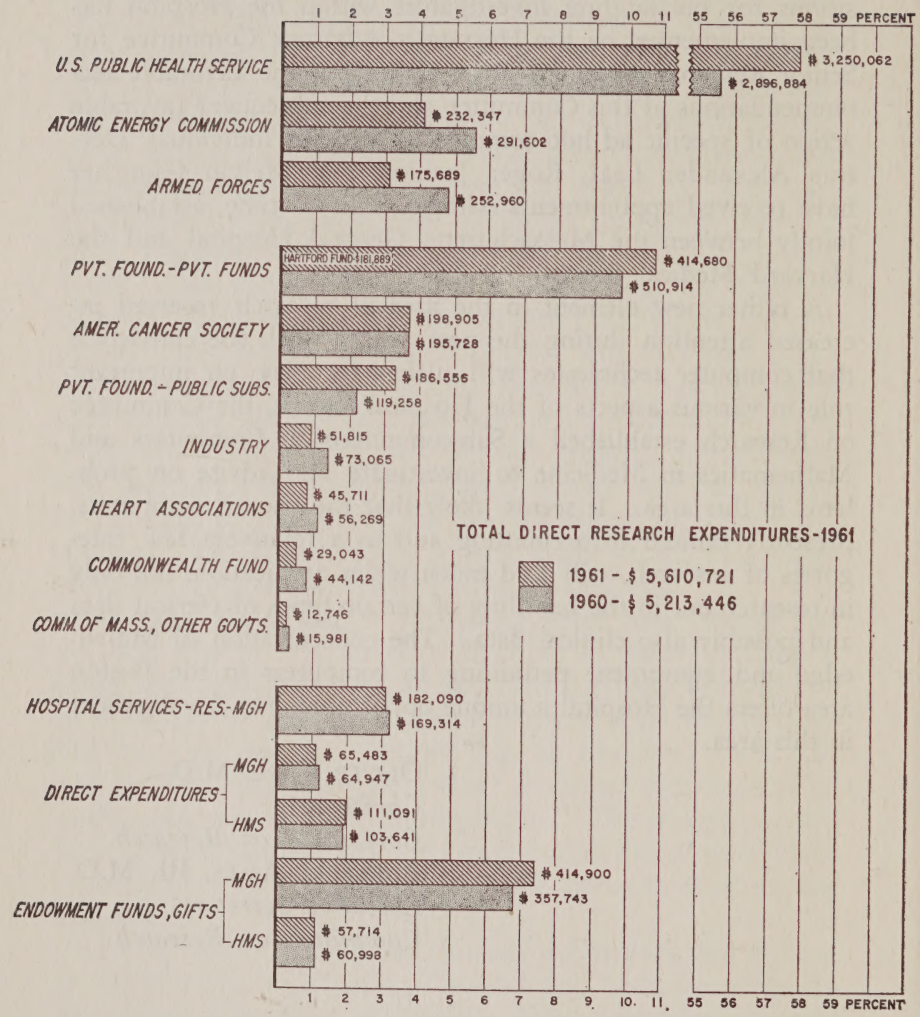
area of cardiovascular diseases. Unfortunately, the full realization of our potential in the latter area is severely restricted by the lack of necessary space.

The decision of the Trustees in 1959 to establish tenure positions for outstanding investigators within the Hospital has been implemented by the Hospital's Advisory Committee for Senior Research Appointments. Following the favorable recommendations of this Committee and the subsequent favorable action of specific ad hoc committees for each individual, Doctors Alexander Leaf, Roger Jeanloz, and Melvin Glimcher have received appointments without limit of time, established jointly between the Massachusetts General Hospital and the Harvard Medical School.

A rather new element in the area of research received increased attention during the past year. With the conviction that computer techniques will ultimately play an important role in various aspects of the Hospital's work, the Committee on Research established a Sub-committee on Computers and Mathematics in Medicine to investigate and advise on problems in this area. It seems likely that the use of computers, presently limited to accounting and to a relatively few categories of research, will find much wider application, not only in research but in the handling of certain types of clerical data and possibly also clinical data. The concentration of knowledge and equipment pertaining to computers in the Boston area offers the Hospital a unique opportunity for development in this area.

OLIVER COPE, M.D.
Chairman
Committee on Research
ADELBERT AMES, III, M.D.
Executive Secretary
Committee on Research

Direct Research Expenditures
For 1961



Vincent Memorial Hospital
Report of the Board of Trustees

FROM the reports of Mrs. George Lewis, Jr., President of the Board of Managers, and of Dr. Howard Ulfelder, Chief of Staff, you will find that again in 1961 the Vincent Memorial Hospital had a very active and successful year.

It is the greatest of pleasure to report that the Joe Vincent Meigs Professorship Fund has reached its goal of $500,000; that the Professorship has been established by the Harvard Medical School and that our Chief of Staff, Dr. Howard Ulfelder, has been named as the first Joe Vincent Meigs Professor of Gynecology. We are indeed grateful to Dr. Fremont-Smith and his Committee for their untiring efforts and also to all of those who contributed to the Fund, thereby bringing this most valuable project to a successful conclusion. In this connection we would also like to mention the outstanding work done by the Fund's executive secretary, Miss Dorothy Rackemann.

Again we are indebted to The Vincent Club and its members for their most magnificent gift to the Hospital this year of $47,000, a record amount. On behalf of all the Trustees I express the appreciation of the Hospital for this contribution, without which many of the activities carried on by the Hospital would have to be curtailed.

The construction work on the seventh and eighth floors of the Vincent-Burnham Building has now been completed, including a third elevator which is now in operation. Due in large part to the cooperation of the Massachusetts General Hospital, this work was accomplished without any undue interference of the activities of the Vincent Memorial Hospital.

CHARLES F. HOVEY, *Chairman*
Board of Trustees

VINCENT MEMORIAL HOSPITAL

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Miss Mary E. Quinlan, *Assistant Director in Charge of Nursing*
Mrs. Marilyn Prouty, *Nursing Service Supervisor*

Vincent Memorial Hospital
Report of the Chief of Staff

IT is my pleasure to inform the Trustees that the Hospital has completed another year of function with minimal disturbances during a major construction project in its vicinity. This project is now essentially concluded, and our wards and offices are back in full use with some permanent rearrangements around a new elevator, a most welcome improvement in the plant. Despite the construction, there were 567 admissions to the Private floor and 738 to the Service. The Ambulatory Clinic registered 3,649 visits. This moderate increase in use of the non-private beds and clinic facilities was made possible by careful construction planning to avoid interruption of function. It is to be noted that this is the first year since 1956 that the Service census has not declined. The contribution made by our Supervisor, Miss Quinlan, and her staff throughout the year is hereby gratefully acknowledged.

In June, Dr. J. V. Meigs attended the Fourth International Medico-Surgical Meeting in Torino, Italy. It coincided with the celebration of the 100th Anniversary of the Unification of Italy. Dr. Meigs was awarded the Doctorate of Medicine, Honoris Causa, and presented two original papers. During July and August, Dr. Howard Ulfelder served for four weeks as the McIlrath Guest Professor at the Royal Prince Alfred Hospital in Sydney, Australia.

The Hospital staff published fourteen scientific papers during the full year preceding this report and had submitted others which have since appeared. The regularly assigned teaching responsibilities for students of the Harvard Medical School were fulfilled, and the annual two weeks postdoctoral course was again oversubscribed. I welcome this opportunity to thank our staff and numerous other Boston colleagues for their willing participation in this program. The staff has lost Dr. Richard R. Curtin, who resigned to enter practice in Exeter, New Hampshire, and Dr. Dean A. Clark, who resigned his position as

General Director of the Massachusetts General Hospital and affiliated hospitals on September 30, 1961.

Research, both clinical and basic, proceeded on a scale that taxed our facilities. All projects successfully engaged their financial support from agencies outside the Hospital and were thus able to implement full programs. Dr. McArthur together with her collaborator at the Protein Foundation has been able to concentrate and purify the gonadotropic hormones present in human blood to the point where their therapeutic trial use awaits only the elimination of the risk of transmission of hepatitis virus. Most significant, however, is a recent procedural development which promises to be able to separate the two major gonadotropic fractions. Dr. George S. Richardson concluded the triennial review of our cases of cancer of the uterus and reported them jointly with the Pondville Hospital series for publication in Stockholm. His work with a variety of techniques and agents for palliative treatment of cancers beyond the stage of cure has kept pace with developments elsewhere in this tragic field of endeavor and now permits experienced selection in many of the more common situations. In his laboratory, biochemical analysis of ovarian tissue from human and animal sources continues our accumulation of data on the biosynthesis of steroid molecules. A major series of assay projects has been translated into facts by Dr. Albert F. Parlow. They illuminate with great precision the physiology of secretion and action of Luteinizing Hormone in various species and will now point the way to additional future fruitful study. The usefulness of Dr. Parlow's assay has reached complete clinical potential with the successful application of new extraction methods.

HOWARD ULFELDER, M.D.
Chief of Staff

Vincent Memorial Hospital
Report of the Board of Managers

THE Board of Managers has continued its usual activities during the past year undaunted by the installation of the new elevator or a hurricane which blew in on the day of the coffee party for the doctors taking the postdoctoral course in gynecology.

As always we keep in touch with the other volunteer groups within the Massachusetts General Hospital. In this connection we were happy to comply with a request from the Advisory Committee to the Volunteer Department for a speaker to explain the work of the Vincent Club in connection with the Vincent Memorial Hospital. The resultant speech, written and given after much research by Mrs. C. Chauncey Gray, was most enthusiastically received and subesquently printed in the M.G.H. News. As it has not been printed elsewhere we thought it might be of value to have it as part of our permanent record. Therefore wer are including it in this report in lieu of our usual summation of our year's activities. Mrs. Gray's report follows:

The Vincent Memorial Hospital is considerably your junior, it being a mere seventy years ago that Phillips Brooks consecrated the ten-bed Vincent Memorial Hospital around the corner on Chambers Street. The then Board of Managers was called the Working Committee, and incidentally, one of its members was Mrs. John Lowell, whose daughter, Mrs. Augustus Thorndike, is a member of the Vincent Hospital's Board of Managers today. The purpose of the Working Committee was the same as that of the present Board of Managers; the care and the comfort of the patients. In the past the ladies of the Working Committee gave most generously of their time in visiting patients, and donated gifts to the Hospital. There were many other contributors in those early days. Miss Caroline Staples, one of the Hospital's earliest benefactors, gave us two and a half tons of coal in February of 1892; the "Young Ladies in Dedham" sent

four flannel nightingales and six wash cloths; The Young Men's Christian Union contributed fifty-six tickets for streetcar rides and twenty-six harbor trip tickets for invalids. The list of gifts is long. Those from its most important contributor, The Vincent Club, were listed separately.

The Vincent Memorial Hospital's first annual report stated that The Vincent Club had been formed in March of 1892 with the aim of helping the Hospital. The instigator of The Vincent Club and for many years a member of the Hospital's Working Committee was also the young woman "with whom the idea first originated of founding and naming the Hospital in memory of the beloved actress, Mary Ann Vincent of the Boston Museum Stock Company; by her untiring efforts she raised much of the first money subscribed to it and was a faithful friend to the Hospital for many years." These phrases are engraved on the brass placque directly opposite the door to The Vincent Club Room on the first floor of the present Vincent Memorial Hospital. The lady, Miss Lucy Derby, later, Mrs. S. R. Fuller, was a woman with many friends and interests. She was active as a member of the Board of the Trinity Church Dispensary, from which the Hospital is an outgrowth, an intimate friend of Phillips Brooks, and also had many friends in the theatrical world, including Edwin Booth and E. A. Sothern, whose son, E. H. Sothern was her godchild.

In the winter of 1892, she brought together a small group of young girls to discuss the possibility of a club, its purpose to be the support of the Vincent Memorial Hospital. By March 25 of that same year, they were ready for their first formal meeting. A constitution was accepted, officers were elected, and the sixty-three members of the Vincent Club were ready to roll. Included in the second annual report of the Hospital, in 1893, is a report from The Vincent Club which says, in part: "The object of this club shall be to give two or more entertainments annually to raise funds in aid of the Vincent Hospital."

Now, I want to make one thing quite clear. The Vincent Club is not quite the usual hospital auxiliary. The first indication of this appears in the Hospital's fourth annual report in 1895, when the Club was barely three years old: "Some confusion having arisen in the public mind regarding the connection of

the Vincent Club and the Hospital, the Club wishes to state that it is an entirely independent body, organized solely to benefit the Hospital, but unconnected with its management and working as a free agent for a good cause, without being responsible to the chief organization in any way." These remarks are softened by the final paragraph, when the Club says: ". . . It wishes to acknowledge the courtesy of the Vincent Memorial Hospital Managers in kindly printing this brief report and the following lists." These were the lists of officers and members. Several years later, a member of the Board of Managers of the Vincent Memorial Hospital became President of The Vincent Club, and from then on the President of the Club has remained an ex-officio member of the Hospital's Board of Managers. The officers and roster were printed in the Hospital's annual report until 1918. That year the Club's report was extremely brief: "In December, 1917, the Treasurer sent $500 extra to the Managers for immediate expenses.

"In March it was decided that on account of the war, no entertainment or fair would be given. Each member of the Club was to be responsible for $10, which when raised, would enable us to give the Hospital our annual gift."

The following year's report was even briefer. "There are now 759 members of the Club. During the year the Club has given the Hospital $4,000 in bonds and $2,500 for running expenses, and $30 for Christmas dinner. The entertainment will be given as usual this spring." From then on the Club's membership was not listed in the Hospital's annual reports.

Today, The Vincent Club having moved from files in member's houses to several hotel suites, to an office at Zero Marlborough Street with the Junior League, to a penthouse at Hampshire House, finally has a home of its own, having bought 71 Brimmer Street, originally the coach house of the Sears mansion around the corner on Beacon Street. It had just paid to have the doors sealed off between its half of the building and the attached garage when the house on Beacon Street was sold. To protect its newly acquired home, the Vincent had to buy the garage, break open the doors again and reorganize the mortgage.

The Club now has a membership of over 1,800, 300 of whom live outside of greater Boston—by which I include Europe, Asia

and Africa. There is another group of about 500 who are still in college or graduate school. Others of our members are quite elderly; two of the original members died during the past year. To all of the inactive members of the Club we are most grateful, in that they maintain their membership—$10 of their $15 dues going directly to the Hospital—while the remaining $5 is used for the general operating expenses and maintenance of the Club's headquarters.

In 1961 the Club increased its previous year's gift by $2,000, giving $47,000 to the Vincent Memorial Hospital. Since 1893 it has contributed $1,203,630, not including many gifts of equipment and supplies. . . .

Mrs. Gray's report continued with an account of the current activities of the Club, including the annual welcoming party held at 71 Brimmer Street for the visiting doctors.

In closing we report with deep regret the death last summer of Miss Elizabeth Weld. The following resolution appears in our minutes:

> The Board of Managers of the Vincent Memorial Hospital extends to her family its deepest sympathy on the untimely death of Miss Elizabeth R. Weld. A member of this Board for thirty-nine years, she served as Secretary from 1932 to 1954. She was a loyal officer, a devoted Board member, but beyond that she gave to the patients, as she gave to the Board, her innate gaiety, graciousness and *joie de vivre.*

We, her friends, and her friends the Vincent patients, will miss her very much.

MURIEL G. S. LEWIS, *President*
Board of Managers

Report of the Department of Pathology

A TRAGIC event that occurred during 1961 was the death of Dr. Hugh Robert Dudley, Jr. Bob Dudley, who was one of our most brilliant graduates, had left the department in July to be Professor and Chairman of the Department of Pathology at Emory University in Atlanta, Georgia, at the young age of 37 years. A few days before his first scheduled lecture in September he had a massive subarachnoid hemorrhage and died two days later. His sudden death shocked the entire M.G.H. community and his many friends and classmates at the Harvard Medical School. Pathology has lost one of its most promising teachers.

In a recent report to the General Executive Committee on the status of the Department of Pathology it was noted that during the past ten years the volume of the routine work has more than doubled and that, most significantly our research activities have increased more than twentyfold. During 1951 the annual grants for research in the Pathology Department totaled $17,000 and in 1961 the total was over $400,000. The specific research projects currently in progress in the department have been listed previously. More recently, Dr. Martin Flax has undertaken the investigation of the pathogenesis of several experimental allergic diseases, including autoimmune thyroiditis and contact allergy, utilizing correlated light and electron microscopy and radioautography in conjunction with standard immunologic technics. The morphologic improvement consequent to the adaptation of the preparative technic of electron microscopy to light microscopy has greatly facilitated these studies, and this method is being widely applied to other pathological studies.

Dr. Wallace A. Jones began studies on the histochemical and electron microscopic changes in the liver of mice infected with hepatitis virus. By the use of these technics he has been able to observe early changes in the liver before they were detectable with ordinary histologic technics.

Dr. Hubert Wolfe has been working with Dr. Cohen, apply-

ing qualitative and quantitative histochemical technics to the study of amphibian limb segmentation. Dr. Cohen's oxidative enzyme studies continue to disclose new facts concerning the intermediary metabolism of various tissues. For example, his work gives new insight into the carbohydrate metabolism of the adrenal cortex; and has demonstrated that the oxyphil cell in the human parathyroid gland has the highest oxidative enzyme activity in comparison with the other cells in the gland, a fact that correlates well with the high concentration of mitochondria in these oxyphil cells. Recently, he has devised a method for demonstrating oxidative enzyme activity in spermatozoa that may be very useful in studies of fertility.

With the electron microscope Dr. Caulfield is studying the vascular changes in the prediabetic by examining renal biopsy specimens from patients in whom diabetes is likely to develop on the basis of the family history, and also from young diabetics who have had the disease for less than two years.

The project comparing atherosclerosis in patients seen at the M.G.H. with that seen at the University of Kyushu in Fukuoka, Japan, has continued. During the past year Dr. Nobuhiko Okabe came here from Japan to extend these comparative studies to the cerebral vessels including the vertebral arteries. The latter have not previously been examined completely and routinely, and it is hoped that this work will yield some basic facts concerning the differences between cerebrovascular disease in New England and Japan.

There were a few changes in personnel during the year. Dr. Victor J. Rosen returned to the Department from the U. S. Naval Radiological Defense Laboratory in San Francisco, where he was engaged in studying the late effects of ionizing radiation on animal tissues and the induction of tumors by radiation. Dr. George Kwass returned to the laboratory after a year at the Worcester Foundation for Experimental Biology and is currently studying ovarian steroid production in various disease states. Dr. William T. Thurlbeck resigned from the department to accept the position of Assistant Professor at McGill University, in Montreal.

There was another expansion of the Case Records during the year. In addition to the 150 institutions in 30 states and in a

dozen foreign countries who weekly receive a set of lantern slides to conduct an M.G.H. CPC exercise in their own hospital or medical school, through a grant of the Eli Lilly Company, we have now begun to distribute to an additional 100 small hospitals in the midwest and 110 foreign medical schools one case per month for a year in the form of a kit consisting of copies of the protocol, the discussion and the pertinent 35 mm. slides. The foreign medical schools include all those in India, Pakistan, Taiwan, Indonesia, Congo, Afghanistan, Burma, Ceylon, Korea, the Philippines, Singapore, Thailand and Vietnam, as well as Mexico, Argentina and Colombia in Latin America. If this project is successful it may be expanded to include other foreign medical schools desirous of such educational material. Another innovation this year was the presentation of 3 CPC discussions on the radio at Station WGBH under the auspices of the Albany Medical College. At each of the sessions 10 or more different hospitals, a total of 36, in western Massachusetts, Connecticut and New York were hooked up by radio to the Albany Medical College, enabling questions to be directed from these hospitals to the discusser stationed in the radio studio in Boston.

Along international lines we are pleased to report visits from several distinguished professors of pathology this past year, including Dr. Erich Letterer of Tubingen, Germany (of Letterer-Siwe disease fame), Dr. Herbert Spencer of St. Thomas Hospital, London, Dr. A. Schaberg of Leiden, Dr. Moise Wolman of Israel, and Dr. Niels Dungal of Iceland. In April, Dr. Castleman was the guest speaker at the 50th Annual Jubilee Meeting of the Japanese Pathology Society, held at the University of Tokyo. During his visit to Japan he had an opportunity to observe the progress of the atherosclerosis project in Fukuoka. The highlight of his travels during the year, however, was his trip to India, where he was Visiting Professor of Pathology at the All India Institute of Medical Sciences, in New Delhi. He spent three months at that medical school through a grant from the Rockefeller Foundation. In addition to teaching undergraduate students and giving formal lectures to the faculty, he helped to organize a postgraduate program. As President of the International Academy of Pathology he began negotiations to create an

Indian Division an in this capacity participated at a meeting of the Thailand Division in Bangkok.

The statistics of the diagnostic examinations are as follows:

	1960			*1961*		
	MGH	*Outside*	*Total*	*MGH*	*Outside*	*Total*
Autopsies performed	874	173	1,047	821	177	998
Autopsy percentage	64.4%			65%		
Surgical Specimens	11,362	1,142	12,504	11,890	1,322	13,212
Microscopic Preparations			67,325			71,132
Cytological Specimens			12,440			13,450

BENJAMIN CASTLEMAN, M.D.
Chief
Department of Pathology

Annual Report of the John Collins Warren Laboratories of the Huntington Memorial Hospital of Harvard University

THE refractoriness of metastatic cancer in general to treatment with chemical agents remains both as an intellectual challenge and a source of personal regret to workers in this field. This is balanced somewhat by the pleasure of contributing to the rapid accumulation of information on the detailed machinery involved in the growth of the living cell and the regulation of its metabolism. The impact of a multidisciplinary approach to these key problems in biology should surely lead to the acquisition of data that can be translated into improved methods for the treatment of cancer patients.

During the past years two of the main lines of investigation of the laboratory have been drawn more closely together with the initiation of experiments designed to explore hormonal aspects of the regulation of protein synthesis. These studies are still in a very preliminary state but nevertheless serve to illustrate the convergence of the interests that are currently being brought to bear upon the cancer problem that hopefully should lead to new links between the laboratory and the clinic.

During the past year the work of the Endocrine Division has continued along three general lines: 1) the substrate specificities of enzyme systems involved in the metabolism of steroid hormones; 2) the biosynthesis and metabolism of steroid hormones in human normal and neoplastic endocrine tissue; and 3) the effect of steroid hormones upon enzyme systems involved in key reactions of intermediary metabolism.

In the first category, Dr. Anne Stoffyn has prepared a series of estrone and equilenin derivatives with substituents in the aromatic rings. These compounds have been tested as sub-

strates for human placental estradiol dehydrogenase, an enzyme that catalyzes a reversible oxidation-reduction of estradiol and that has been the subject of extensive studies over the years. Two of the derivatives prepared by Dr. Stoffyn, 4-nitroestrone methyl ether and nitroequilenin methyl ether, have been found to be more tightly bound to the enzyme than either the natural substrate, estradiol, or any of the synthetic compounds previously studied. It was then found that these two compounds are potent competitive inhibitors of the enzyme. This observation has potential biological interest as these substances may function as either synergists or antagonists of the estrogens in the whole animal.

Various aspects of the metabolism of steroid hormones by mammalian tissues have been studied by Drs. Weliky, Velle and Briefer. Dr. Weliky has continued his work on the natural precursors of cortisol. These studies consist of the incubation of slices of sheep adrenal tissue with radioactive progesterone or pregnenolone, followed by isolation of the radioactive products by means of column chromatography. The results confirm the previous hypothesis that 17-hydroxypregnenolone rather than progesterone is an intermediate in the biosynthesis of cortisol. Dr. Velle has been engaged in purifying three different dehydrogenases from various mammalian tissues. The estradiol-17α-dehydrogenase is closely associated with alcohol dehydrogenase and it has not yet been possible to separate these two enzymes. The estradiol-17β-dehydrogenase of human placenta has likewise been found to contain transhydrogenase activity, the two enzymes again inseparable so far. Dr. Velle has been more successful in purifying the 1.2-propanediol dehydrogenase which he unexpectedly detected in bovine placental tissue. This enzyme is very heat-labile and is specific for the coenzyme TPN. To date an approximately 100-fold purification of the enzyme has been achieved. A search for enzymes active in steroid metabolism in red blood cells or serum has been carried out by Dr. Briefer. He noted that intact or hemolyzed red blood cells were capable of the reversible transformation of testosterone into Δ^4-androstenedione. This activity was heat-labile and presumably enzymatic. He also detected the conversion of estrone into estradiol by in-

tact red blood cells and the isomerization of Δ_5-androstenedione by human serum, but his results indicated that the latter reaction was non-enzymatic. Dr. Briefer has also developed an adrenal cortical secretion test employing the principle of isotope dilution. This test has already been useful clinically.

Finally, Drs. Engle and Scott are continuing their efforts to analyze the observation reported two years ago that hydrocortisone and corticosterone will increase the rate of glutamic acid oxidation by the enzyme glutamic acid dehydrogenase. The working hypothesis here is that if steroid hormones are bound to the adenine moiety of a nucleotide coenzyme such as DPN, the rate of an enzymatic reaction in which DPN functions as coenzyme might be altered in the presence of the hormone. While as yet no clear understanding of this phenomenon has been obtained, it raises the hope that we may be closer to an understanding of hormonal control mechanisms.

In our other main area of research, which concerns the mechanism of synthesis of proteins, Drs. Stephenson and Zamecnik have this year succeeded in isolating transfer RNA's specific for the amino acid valine with a purity of the order of 90%. Since the discovery here several years ago of the important role of transfer RNA as an intermediate for protein synthesis, the separation of transfer RNA specific for a single amino acid has had high priority in this laboratory and elsewhere. It seems very likely that the sequence of bases in a certain part of each transfer RNA molecule specifies the amino acid with which it will couple and which it will carry to the actual site of protein synthesis on the cytoplasmic ribonucleoprotein particles. Knowledge of the specific base sequence and the related amino acids might enable us to decipher how information coded in the base sequence of DNA is translated into the specific amino acid sequence of each type of protein molecule. This purification of valine-transfer RNA was achieved by combining the chemical procedure described last year with ion exchange chromatography. Through studies now in progress it is hoped to increase the yield of this purified transfer RNA so that chemical characterization may be initiated. In preparation for such analyses, Dr. Yu has continued to develop a method for the sequential release and analysis of bases in RNA

molecules. Certain difficulties in obtaining a good analytical recovery of the released bases seemed now to be overcome by using maneuvers such as a buffer of low ionic strength to extend the RNA molecules, dialysis to remove the smaller molecules during the enzymatic dephosphorylation step, and a more accurate isotope dilution method to estimate the radioactivity of the released bases.

As another approach to an understanding of the transfer RNA molecule, Dr. Scott has radiated transfer RNA with ultraviolet light and then estimated the remaining biological activity. The high degree of specificity demonstrated by the transfer RNA molecule for a particular amino acid-activating enzyme on the one hand and the high specificity with which the activated amino acid is placed in its appropriate location in the polypeptide chain synthesized on the ribosomes make transfer RNA an appropriate subject for such an investigation. The results to date suggest that the integrity of the entire molecule, 80-90 nucleotides in length, is a necessary requirement for its function as an acceptor of activated amino acids.

In collaboration with Dr. Taft, Dr. Scott has also continued his investigations of the conservation of ribonucleic acid in the Ehrlich ascites tumor. It has been demonstrated that the major portion of the ribonucleic acid of these tumor cells is molecularly stable, that is, in contrast to normal cells in which ribonucleic acid is continuously renewed, the major portion of the RNA of the tumor cell is not renewed. More recent studies indicate that these conclusions apply primarily to the cytoplasmic RNA, including transfer RNA and ribosome RNA, but that there is indeed in the nucleus a small, rapidly renewed fraction. This latter type of RNA is currently receiving detailed attention. Finally, Drs. Taft and Scott have also collaborated to develop microassay procedures to determine certain biosynthetic enzymes in amounts of tissue weighing less than 1 mg. It is hoped to apply these methods to human tumor tissue.

With elucidation of the more proximal reactions in protein biosynthesis has come more interest in the final step, the release of the newly formed proteins from the ribosome into the cell sap. In preliminary studies of the release reaction, Dr.

Lamborg has exposed bacteria to radioactive leucine, isolated the labeled ribosomes, and determined some of the conditions most appropriate for release of protein-bound radioactivity. For example, ATP and soluble enzymes are essential for the release reaction to occur. Ribonuclease and chloramphenicol do not inhibit the release, indicating that their known toxic action on protein synthesis occurs at a site prior to the release of finished protein from the ribosomes. In contrast, both puromycin and deoxyribonuclease enhanced the release of newly formed protein. The same effect of puromycin has been noted by Dr. Allen, using prelabeled ribosomes from rabbit reticulocytes. Thus, puromycin causes an immediate non-enzymatic release of polypeptides from the ribosomes that is not dependent upon energy sources. His analyses to date suggest that these polypeptides are intermediates in the synthesis of hemoglobin, the major protein synthesized by reticulocytes. In addition, as mentioned last year, Dr. Allen has compared the protein synthetic ability of soluble enzymes of reticulocyte-rich human red cells and thalassemic red cells, each combined with ribosomes from rabbit reticulocytes. No difference between normal and thalassemic reticulocytes was detected.

Diverse biological phenomena claimed the attention of other investigators in the laboratories. Dr. Aisenberg has continued his studies on the energy pathways of tumor cells. Six rat tumors possessed fewer and/or smaller mitochondria than the 6 normal tissues examined, but the individual tumor mitochondrion was otherwise similar to its normal counterpart in content of several respiratory enzymes, the ratio of phosphorus esterified to oxygen consumed, and the responses to various inhibitors. He has also studied the relationship of DNA synthesis to energy pathways in normal and neoplastic tissues. All tumors studied were able to use either respiratory or glycolytic energy for DNA synthesis. Normal tissues fell into three groups: those that did not glycolyze, those that did glycolyze but could not use the glycolytic energy for DNA synthesis, and those that glycolyzed and were able to use the glycolytically derived energy. Thus, in the last case, two normal tissues, embryo and spleen, resembled the tumors in regard to the source of energy available for DNA synthesis.

Dr. Bucher has continued to study two types of biological regulatory mechanisms. Twenty-six enzymatic steps are thought to be involved in the synthesis of cholesterol from acetate. Previously, she had found that an important "bottle-neck" occurs at a very early step — the reduction of β-hydroxy-β-methylglutaryl coenzyme A to mevalonic acid. Various conditions are known to alter the rate of cholesterol synthesis; the aim of current studies is to determine if and how such conditions affect this particular rate-limiting step. In addition, Dr. Bucher has continued her investigations of the homeostatic controls that operate in the regeneration of liver following partial hepatectomy in the rat. The incorporation of isotopically labeled precursors into DNA has been employed as an index of proliferative activity. So far she has found that a) in partially hepatectomized young rats a 24-hour fast reduces DNA synthesis by 25%; b) as the age of the animal increases there is a progressively longer time lag between hepatectomy and the resulting rise in DNA synthesis; c) when smaller amounts of liver than the usual 68% are removed, the regenerative response decreases in direct proportion to the amount of liver removed down to approximately 30%. When less than 30% of the liver is removed, hepatic DNA labeling is only a little above the level in intact control animals. There appears to be a relatively sharp threshold that must be exceeded before a really active proliferative response is achieved.

In his studies of the inflammatory reaction, Dr. Burke has developed a method for the direct serial sampling of interstitial fluid in the inflamed area. With this method, as well as by *in situ* measurements using ultra-soft X-ray, he has begun to study the movement of water ions and proteins into the inflamed area.

Dr. Gardella has continued his studies of the relationship between nucleic acid metabolism and cell division in irradiated tissues. It has been advantageous to work with cultures of protozoa synchronized by temperature cycling. In such cultures 80-90% of the cells appeared to be in a uniform stage of development and are presumably engaged in the same metabolic processes as regards growth and division. By exposing such cultures to almost instantaneous bursts of X-irradiation

at various stages throughout the growth cycle, he has been able to demonstrate a direct and prompt inhibitory effect on DNA synthesis, regardless of the point in the growth cycle at which irradiation is carried out. Such data are more consistent with the concept that radiation directly injures a step in DNA biosynthesis than that it primarily inhibits cell division.

Dr. Grillo's main interest has continued to be wound repair. Whether the fibroblasts which proliferate and migrate into the wound are of local or distant origin is a controversial subject. In collaboration with Dr. Potsaid, Dr. Grillo has carried out a series of experiments in which X-irradiation was given locally, just before or at different times after wounding. Subsequently, fibroblast proliferation was evaluated by radioautography employing tritiated thymidine to label the DNA of nuclei of cells soon to divide. This work indicated that the fibroblasts of wound repair arise predominantly by proliferation of locally resident cells with or without some cells recruited via the vascular system. In other experiments, Drs. Grillo and Gross carried out a series of experiments to determine if a skin graft composed of acellular collagen plus an epithelial surface would or would not be rejected by the recipient animal. If not rejected, such a graft would be most helpful in patients with extensive burns. In their experiments it was possible to obtain prolonged persistence of the collagen graft; but cells failed to migrate into it, and it was gradually reabsorbed to form scar tissue. While this work failed to demonstrate a clinically useful method of dermal hemografting, the observations are interesting in relation to the lack of antigenicity of collagen and the important role of fibroblasts in maintaining it.

Dr. Huggins has been carrying out investigations on the biological effects of low temperature on tissues and animals. Certain agents such as glycerol or dimethylsulfoxide decrease the injurious effects of freezing on cells; Dr. Huggins has recently been exploring the usefulness of such compounds for the low-temperature preservation and storage of blood cells and for the freezing of goldfish. From this and other studies, principles have been discovered that permit the extension of safely tolerated periods of cardiac arrest in hamsters at 0°C from 2.5 to 4 hours.

Dr. Littlefield has carried out studies on the toxic effect of 5-bromodeoxyuridine, an analog of thymidine, on cultured epithelial cells. This compound replaces thymine in the DNA of such cells and inhibits their growth. In epithelial cells, when half the thymine has been so replaced, no further cell division occurred. Dr. Chun of the Massachusetts Institute of Technology and Dr. Littlefield were able to show that when DNA from such cells is split into its two single strands, all the bromouracil is found in one strand. This confirms previous reports that such DNA is truly hybrid in nature, and that mammalian cells duplicate DNA in a semiconservative manner.

Dr. Sohier has begun studies to detect the possible presence in the serum of cancer patients of factors which influence cell metabolism. Oxygen consumption, glucose utilization, lactate production and C^{14}-valine and thymidine uptake into Ehrlich ascites tumor cells have been studied when such cells were incubated in medium containing serum from patients before and after hormone therapy. To date post-treatment serum from one case has caused a marked decrease in thymidine uptake. Further studies are in progress.

This year we are delighted to be joined by Dr. Barbara Wright from the N.I.H., who is continuing her work on biochemical aspects of differentiation in the slime mold, and by Dr. Peter Bergquist from the University of Auckland, New Zealand, who with Dr. Scott, has begun studies to correlate ribosome structure and function in protein synthesis. Currently with Drs. Todd and Sanger in Cambridge, England, are Drs. Zamecnik and Loftfield, from whom we anticipate fresh ideas and stimulation. Regretfully, we record the departure of Dr. Stoffyn to work in the Research Laboratories at McLean Hospital, and of Drs. Veronica and Roger King, the latter to the Imperial Cancer Research Fund in London.

Finally, we wish to acknowledge our indebtedness to Harvard University and to the Massachusetts General Hospital vard University and to the Massachusetts General Hospital A.E.C. and American Cancer Society for the generous and flexible support that makes it possible not only to continue our present programs but also to exploit promising new ideas.

PAUL C. ZAMECNIK, M.D.
Director

Report of the Coordinating Committee

THE reports of the member groups of the Coordinating Committee appear below for the Ladies' Visiting Committee of the Massachusetts General Hospital; the M.G.H. Service League and the Distaff Club. Elsewhere in the Annual Report will be found the report of the Board of Managers of the Vincent Memorial Hospital, also a member group of the Coordinating Committee.

MRS. CHARLES ALMY, CHAIRMAN, PRESENTS THE FOLLOWING REPORT FOR THE LADIES' VISITING COMMITTEE:

The services of the Ladies' Visiting Committee are so interwoven that when it comes to writing a report of the year's activities, it is a puzzle where to begin. Each year, though the regular services continue, there is a slightly different emphasis. This is due to points brought to our notice through talks to the Committee by Heads of Departments or Staff Members.

Dr. Robert Jones described his plan on White 9 for rehabilitation of long-term and handicapped patients. He suggested that Ladies might be able to teach some simple skills such as flower arrangement, simple cooking or sewing. However, after careful study and conference with the Staff, the Ladies' Visiting Committee decided to re-activate the Emergency Recreation Fund used for entertainment during the Polio epidemic and to brighten the solaria with curtains and plants. The Committee also contributed utensils for the kitchen designed for handicapped persons.

The Committee was very interested in Dr. Nathan Talbot's talk about the Children's Service. Members of the Committee were invited to visit a Staff-Patient Conference. Presently a group of young mothers are "visiting" Burnham patients. This is an effort to have the children feel that they have "friends" who are not identified with the Hospital. Decorating changes were not possible because of the structural changes in the building, but we hope to help with this next year.

Mr. Paul Swanson, one of the Protestant Chaplains, described the many and varied duties in an urban hospital. There are six Chaplains at the Massachusetts General Hospital, two Protestant, three Catholic and one Jewish. Even with three Volunteers trained to aid in the daily census, it is difficult for the Chaplain to cover the whole Hospital every day. The Chaplain has been very helpful to the Ward Visitors and it is hoped that an even closer bond will exist in the future.

Twenty regular visitors covered the Wards in the Bulfinch and White Buildings. Special assignments are suggested in Baker and Phillips House by Social Service. The radios donated by the Ladies' Visiting Committee are in constant use, especially during the baseball season. We have donated two FM radios to Bulfinch 2 and 3 — these were for "soft music" suggested by a doctor.

Plans for Christmas begin early in the Fall. The Program must be arranged to suit all departments. Artificial trees and ornaments and finger paints are distributed to the Wards; Volunteers are signed up to guide the Carolers, and a Program is printed. The Committee consults with the Recreation Department in Burnham to provide toys and stockings for the appropriate ages. A party was held December 21 with Santa, presents and refreshments.

Twenty-eight Hostesses welcomed new patients to the Baker and Vincent Memorial. Besides serving tea or coffee (lemonade in summer), we often escort patients to their rooms. This service is so important that we feel justified in engaging a person to continue through the summer.

The Chapel Committee kept attractive arrangements of flowers on the Altar. Special attention was given to Easter and Christmas, as well as the Wednesday Chapel Concerts. The Committee is grateful to Mrs. Carlton F. Fuller who gave an assortment of artificial flowers and a lacquered brass container of appropriate size.

The Flower Committee expanded to include decorations for all occasions, special decorations for the Volunteer Tea and the 150th Celebration. After the Convocation Banquet at the Sheraton-Plaza a generous member of the Ladies' Visiting Committee lent her car to transport all the flowers used on the

dinner tables so they could be distributed to the Wards.

Because of the Fire laws which do not permit the use of live greens, we own a complete set of wreaths and garlands for inside use at Christmas. This represents a considerable expense and a serious problem for storage, which should be solved. The Committee authorized the purchase of a steel wire cart for the transportation of magazines to the Clinics. This has proved very valuable also for the moving of plants and other heavy paraphernalia.

The Furnishings Committee refurbished a conference room on Bulfinch 7 and bought new draperies for the west Solarium on White 9. A new ping-pong table was purchased for Bulfinch 7.

The usual magazine subscriptions were placed for the Warren Library and $25.00 was given for the purchase of foreign language books.

In June a representative of the Coffee Shop Committee was invited to report at a meeting of the Board of Trustees. The Trustees are seriously considering the ways and means of financing this operation and it is our earnest hope that by next year a definite decision will be reached.

The 1961 financial report of The General Store, which is operated by the Ladies' Visiting Committee for the benefit of the Hospital, is as follows:

Balance on hand December 28, 1960		$15,970.94
Cash Receipts		84,435.09
Total		$100,406.03
Expenses:		
Salaries	$ 9,351.31	
Stock Purchased	58,735.52	
Utilities Charge	163.15	
Miscellaneous (Includes Excise Taxes)	484.04	
Total Expenses		68,734.02
		$31,672.01
Paid to Ladies' Visiting Committee from earnings		10,000.00
Balance on hand December 30, 1961		$21,672.01

SUMMARY

Receipts	$84,435.09
Expenses	68,734.02
Cash Gain	$15,701.07
Increase in Inventory	68.00
Gain for 1961	$15,633.07

Value of Inventory December 30, 1961 $ 3,641.00

Special thanks should go to Mrs. Gardiner H. Fiske, Mrs. Francis C. Gray and Miss Anna P. Revere for their unselfish devotion to the store management, and to Mrs. Carl Warton and her assistants for their cheerful service to the customers.

Volunteers gave 412 hours to the Traveling Store, bringing cheer and satisfaction to the patient and profit to the General Store. Even when taken to the wards by a paid attendant, the cart shows a profit.

Through the efforts of the Ladies in charge of the Art Wagon, the Hospital has been loaned 35 paintings by the Museum of Fine Arts. These paintings are hung in the lobbies and corridors. To insure the safety of these pictures, an Art Committee was appointed to list all the paintings owned and loaned to the Hospital. This list is kept for reference in the Archives room.

The Ladies' Visiting Committee was represented at all the meetings of the Volunteer Advisory Committee, the Coordinating Committee and the Social Service Advisory Committee. These valuable meetings provide an opportunity to hear what is going on in all parts of the Hospital.

Members of the Ladies' Visiting Committee represented the Massachusetts General Hospital at the meetings of the New England Hospital Assembly, the Massachusetts Hospital Auxiliaries Association, the American Hospital Auxiliaries Association in Atlantic City; and at the Boston Regional Group of Hospital Auxiliaries for which we were co-hosts with the Staff Wives (now designated the Service League). These meetings give us a chance to exchange ideas with other hospitals.

I speak for all the Members of the Ladies' Visiting Com-

mittee when I say it has been a special privilege to serve the Massachusetts General Hospital during this, its 150th year.

The report of our Treasurer, Miss Anna P. Revere, appears on the following page.

Ladies' Visiting Committee
Report of the Treasurer
1960 - 1961

Balance on hand
October 1, 1960

Funds		*Receipts*	
Mabel Hovey Harris Fund	$ 35.60	$ 386.30	
Sarah Proctor Joslin Fund	3.73	102.14	
Marion Lee Lawrence Fund	2,483.99	1,138.89	
Annie Norton Ward Fund	6.36	102.14	
Katharyn Hoyt Watson Fund	1.35	102.14	
General Store Fund	979.13	11,341.75	
Travelli Rare Drug Fund	1,000.00	2,000.00	
Estate of Elizabeth Tilton		500.00	
Miscellaneous		57.50	
Total Receipts			$20,241.02

EXPENDITURES

Mabel Hovey Harris Fund		
Conference Room, Bulfinch 7	$ 49.75	
2 FM Radios, Bulfinch 2 & 3	119.90	
Sarah Proctor Joslin Fund		
Foreign Books and Magazines	55.53	
Marion Lee Lawrence Fund		
Lawrence Room Expense	335.50	
Annie Norton Ward Fund		
Ping-Pong Table, Bulfinch 7	79.80	
Katharyn Hoyt Watson Fund		
Curtains, Occupational Therapy Department	18.59	
Radio, White 11	16.95	
Kitchen Utensils, White Rehabilitation Center	50.00	
General Store Fund		
Social Service Relief Fund	650.00	
Staff Wives	514.00	
Distaff Club	150.00	
Christmas Committee, L.V.C.	428.75	
Chapel Committee	68.46	
Plant Committee	321.30	
Baker Memorial, Coffee Hour Expenses	666.52	
Cart for Mazagines	50.38	
Burnham Furnishings	374.98	
White 9 Solarium, Curtains	33.19	
Chaplain Service	550.00	
Office Expense	100.95	
Flowers for Convocation	119.72	
Bulfinch 4, 7 & 8, Cigarettes, etc.	90.00	
Emergency Fund (Special)	100.00	
Provident Institution for Savings	500.00	
Miscellaneous	397.81	
Travelli Rare Drug Fund	2,0000	
Total Expenditures		$ 7,842.08
Balance October, 1961		$12,398.94

MRS. RICHARD H. WOHL, PRESIDENT, PRESENTS THE FOLLOWING REPORT FOR THE DISTAFF CLUB:

The report of the activities of the Distaff Club (composed of the wives of the Massachusetts General Hospital House Staff and Research Fellows and women doctors on the House Staff) covers the period from October 1, 1960 through September 30, 1961.

The purpose of the Distaff Club is to help our members know each other, the Hospital, and Boston through a program that combines information, social activities, and service projects. Meetings are held at least once a month at the Hospital.

On October 19, 1960 we were fortunate to hear Dr. Paul Tillich of the Harvard Divinity School discuss "Science and Religion" and later that month we had a festive barn dance. Dr. Edward Churchill talked to us about his recent trip to Lebanon and the Middle East. In December we wrapped hundreds of gifts for children attending the Massachusetts General Hospital Children's Christmas Party. Just before Christmas we had a lovely Christmas punch party.

During January our area groups met and made felt puppets for the children in Burnham. We enjoyed a musical evening at the home of Dr. and Mrs. Walter Bauer and were interested to hear Dean Francis Keppel of Harvard Graduate School of Education discuss the Federal government's role in education.

As part of the 150th Anniversary Celebration Distaff Club joined the Ladies' Visiting Committee and the Massachusetts General Hospital Service League at a luncheon fashion show and later joined the House Pupils Association at a formal dance.

At a May meeting, a panel composed of several Staff wives discussed the doctor's wife's role. There was an informal costume ball in May and later Dr. and Mrs. Bradford Cannon entertained our group at a summer family outing. Distaff Club enjoyed July Welcome Tea and invited Dr. Robert Anderson of the Harvard Graduate School of Education to talk to us about elementary education for the September meeting.

Our club formed many special interest groups including a

book club and volunteer group. We again published a Directory listing members' names, addresses, telephone numbers and also mailed our Welcome Booklet. Four newsletters were sent to our members to inform them of Hospital, Community and Club activities.

Last Spring the following Officers were asked to assume responsibility for administering the activities of the Distaff Club as of June 1961. Mrs. Richard H. Wohl, President; Mrs. John T. Porvaznik, Jr., Vice President; Mrs. David Skinner, Corresponding Secretary; Mrs. Stewart Sell, Directory Secretary; Mrs. William L. Strickler, Treasurer.

MRS. VINCENT P. PERLO, PRESIDENT, PRESENTS THE FOLLOWING REPORT FOR THE MASSACHUSETTS GENERAL HOSPITAL SERVICE LEAGUE:

The past year, October 1960 through September 1961, marks the completion of a decade during which the Massachusetts General Hospital wives devoted themselves to "service to further the work of the Hospital" — orginally as the Massachusetts General Hospital Staff Wives Hospital Committee, more recently as the Staff Wives Association, and now, since the annual meeting in May, 1961, as the Massachusetts General Hospital Service League. Wives of new staff members will automatically be contacted and included on our lists, as always. In addition, we now hope to be able to reach more women interested in our activities who are not directly associated with the Massachusetts General Hospital, keeping in mind the growing residential community nearby. It would seem that we could serve the Hospital even better were we able to expand the areas of our work and take on new projects manned by an enlarged membership.

At our Reception Center for Professional Visitors 288 visitors from 50 countries were listed with us during the past year. There were 128 housing requests handled, and 32 families used furniture from the Exchange. The Ticket Committee received 230 tickets, most of them for the Symphony, for distribution to our visitors and the Massachusetts General Hospital family. The Tea Committee extended a warm welcome to all our visitors from abroad at teas in the spring and the fall in Walcott House. The

Hospitality Committee, in addition to its traditional entertaining during the holiday season, extended its program to include informal small gatherings with our visitors from abroad in the homes of our members in various communities. Quite often these little parties included children, and many very pleasant mornings and afternoons were thus arranged during the spring and summer months. The Lincoln picnic was still another opportunity for the exchange of ideas and goodwill between our families and those of our friends from overseas.

The Music Committee had a very successful year with 15 scheduled concerts (one cancelled by a blizzard) presented in the Chapel from October to May. The number of people attending these gatherings averaged close to 50 with ambulatory patients and those in wheel chairs comprising more than half of the audience.

Community meetings continue to be a most effective way of keeping our widespread Hospital family together. Spring area meetings included Distaff members in the community as guests.

As part of the 150th Anniversary Convocation Program the Massachusetts General Hospital Service League worked together with the Ladies' Visiting Committee and Distaff Club to arrange a luncheon and fashion show (very kindly assisted by the Fashion Group of Boston) in honor of the wives of all visitors and doctors attending the Convocation.

Two members of our group attended meetings of the Massachusetts General Hospital Coordinating Committee and also the Trustees Advisory Committee to the Volunteer Department held throughout the year. Many stimulating ideas and concepts were brought back to our group by representatives who attended meetings of the American Hospital Association in Atlantic City, the Massachusetts Hospital Association, the New England Hospital Assembly, and the Greater Boston Regional Council of Hospital Auxiliaries.

Report of the Advisory Council of The Massachusetts General Hospital School of Nursing

THE eight regular monthly meetings of the Advisory Council were held from September 1960 through May 1961 with the exception of December.

Last year the emphasis of our studies and discussions centered upon the specific needs of the School of Nursing (a separate school building, an adequate library, and increased housing facilities for graduate nurses because of the probability of enlarging the enrollment of the School) and the changes and improvement of our educational program.

This year, as funds are not yet available for the physical improvement of the school, the Council has concentrated on the educational program and the analysis of the cost study which resulted in the Council's recommendation of a raise in tuition for our students.

The Advisory Council considered in detail the new plan for an enriched diploma program in conjunction with Northeastern University, to be initiated in the fall of 1962, and many meetings have been held with Dr. White, Dean Hurwitz, Dean Thompson of Northeastern, Miss Sleeper, Dr. Clark and Mr. Lawrence and the sub-committee appointed from this Council, Miss Edge and Mrs. Elliott. Approval of this plan by the Board of Registration was given in April with special commendation on our new approach to the enrichment of the diploma program.

The Advisory Council, in its study of the overall educational program of the M.G.H. reviewed the progress of the coordinated program of Radcliffe College and the M.G.H. School of Nursing as outlined in the Hughes Report of 1958, and discussed the many changes since 1946 which have led to the currently improved curriculum more accurately aimed for the graduate of a sound liberal arts program.

Last year, the National League for Nursing initiated a cost

study of various nursing schools, among them the M.G.H. in order to determine the actual monetary value of student services versus the cost to the School. This Council has studied the findings which showed that a student in our School of Nursing cost the Hospital $3,092 over and above what she both paid in fees and contributed in work. Since the annual deficit is large and Federal aid to nursing schools seems doubtful, The Advisory Council agreed with the recommendation to raise the tuition of the students. Consequently, a letter concerning the raise and a questionnaire re family income was sent to the parents of all students. Of particular interest to the Council was the large number of answers received (70%) indicating for the most part no objection to a raise in tuition and also revealing on the average a much higher income per family than anticipated.

During the year, the Council has also studied the Report of the Resurvey for Accreditation, the report of the Scheduling Plan for Nursing Service personnel, and the statistics of admission and attrition.

The members of the Council had the pleasure of entertaining the faculty at a luncheon meeting in Bartlett Hall; of attending the graduation exercises; and of hearing reports of the 150th Anniversary Fund Raising campaign from time to time. Miss Phyllis Irvine, the exchange teacher from the Royal Victoria Hospital in Belfast, Ireland, gave a most interesting comparison of her experiences in her own hospital and the M.G.H. under the Rockefeller Exchange Program for teachers.

The Trustees Committee to the School of Nursing and Nursing Service has met six times during the year and we are most grateful to the Chairman, Mr. John E. Lawrence for being a particularly understanding liaison officer.

It is with great regret that at this May 1961 meeting we lose Mrs. Gardiner H. Fiske, representative from the community at large and President of the Boston Nursing Association, Dr. Janet W. McArthur, member of the staff of the Vincent Memorial Hospital, and known world-wide in the field of research; also Mrs. Frederick Eastman, our alumnae representative. Their contributions to the Council and to the School of Nursing have been great and we shall miss them.

FRANCES J. FAHNESTOCK
Chairman

Massachusetts General Hospital

Nursing Department

	1961
Average No. of Graduates on General Hospital Staff and Clinics	253
Average No. of Graduates on School of Nursing Staff	48
Average No. of Graduates on Baker Memorial Staff	73
Average No. of Graduates on Phillips House Staff	85
Average No. of Students	348
Average Total	807
Total No. Freshman Students Admitted (includes Degree)	134
Students Dropped and Resigned (includes Degree)	51
Students Graduated (includes Degree)	109
Average No. of Graduates on General Hospital Staff—*Part Time	13
Average No. of Graduates on Baker Memorial Staff—*Part Time	13
Average No. of Graduates on Phillips House Staff—*Part Time	8
Total *Part Time Graduates	34

CENSUS OF THE NURSING SERVICE AND SCHOOL OF NURSING

October 2, 1961

Graduate Nurses, General Hospital and Clinics	249
Graduate Nurses, School of Nursing	51
Graduate Nurses, Baker Memorial	76
Graduate Nurses, Phillips House	87
Total	463
STUDENT NURSES:	
Students three year program	354
Students Coordinated Program with Radcliffe College	17
Affiliating students from other schools	66
Total	437
TOTAL GRADUATE AND STUDENT NURSES	900
NUMBER OF STUDENTS ASSIGNED OUTSIDE THE GENERAL HOSPITAL	
Baker Memorial	
MGH students	16
Incoming Affiliating students	20
Phillips House	4
Boston Lying-in Hospital	28
McLean Hospital	30
Public Health	1
NUMBER OF STUDENTS AFFILIATED IN 1960-61 FROM:	
Simmons College School of Nursing	21
McLean Hospital School of Nursing	28
New England Baptist (The Clinics)	68

*Part time nurses expressed in equivalent of full time.

The Nursing Department

The Nursing Service

FOR some time the Nursing Service has been concerned over the continuing imbalance between nurse hours available and the amount of patient care needed. As the year 1960-61 began, the employment of staff nurses was at an all time high. Budgetary restrictions in the fall curtailed further employment at the time when staff nurses are customarily most available for employment. Attrition, not markedly different from previous years, did produce greater concern because vacancies could not be filled. The number of staff nurses, 351 in October, dropped by the end of the year to 269.

Meanwhile the demand for patient care grew. Measured by the patient census of 1956, 64 more patients were cared for daily during the year, the equivalent of one large floor in the White Building plus a floor in the Phillips House or the Vincent Memorial. Also in contrast with 1956, 3,422 more patients were admitted to have the intensive care, the tests, the treatments and the X-rays which initiate the medical and nursing care program of today.

No statistics are available to show the accelerated patterns of medical care or the radical operations, tests and treatments which require, more frequently than ever before, a 1-1 nurse-patient ratio for many hours of the day and night. It is in part indicative that 26.5 nurses and 35 other personnel, a total of 61.5, met the need in the combined operating and recovery rooms five years ago, whereas 91.25, 40.5 of whom are nurses, are needed today.

Neither can figures show the interference or irritations arising when patients are accommodated in beds added to solaria, creating a deficit in supplies and equipment necessary for patient care, comfort or safety. To requisition supplies may only aggravate the present lack of storage space. Nor can a requisition provide space for relatives to sit, patients to rest, or staff to work.

Adjusting the imbalance between supply and demand is not only a problem of employing nurses to meet the daily average load. Each year, the need expands, and the upswing in daily admissions seems to increase. Not unusual is an increase of 100-140 patients within a twenty-four hour period. Needed is some method of predicting patient load which could enable the Nursing Service and all other Departments to prepare for such upswings at times when daily changes in staffing cannot be made.

The scheduling process introduced in the Baker Memorial and the White Building continues to prove its value. Adequate daily information is available through this process to keep the Nursing Administration in touch with the details of staffing needs. The continuing assistance given by the representatives of the Company installing the scheduling process has been far-reaching. Supervisors and head nurses, working upon the plan, have evolved new methods which promise to simplify some nursing records and procedures.

In order to involve the optimum number of different personnel in planning and progressive improvement, and to secure maximum benefits from the knowledge and abilities of all members of the Department, many of the Nursing Service activities are centered in Committees.

The Committee on Nursing in Disaster has been particularly concerned with the staffing problems which may arise when community emergencies make sudden and unexpected changes in either the availability of staff, or the need for staffing. Excepting the students in the School of Nursing, only about 90 graduate nurses and 15 practical nurses out of the 850 employed personnel in the Nursing Department today live on the Hospital grounds, and so would be readily available in an emergency. The threatened M.T.A. strike, the winter's blizzard, the possibility of a large fire or accident in Boston, led the Committee to review and revise Nursing's plan for emergency action. A card system is being readied to locate special personnel in the shortest possible time, and a flexible plan for allocation of personnel is now prepared. In the over-all, the new program is readily adaptable to whatever system the Hospital as a whole may adopt for a disaster.

The Nursing Practice Committee composed of supervisors,

head nurses, and staff nurses, with consultants from all of the Medical and Surgical Services, has continued steadily to revise former procedures and introduce new ones as Medical and Nursing programs changed. To help accelerate the work of this Committee and to study nursing services and needs, in August a full time nurse, Mrs. Julia Defenderfer, was appointed as an Administrative Assistant.

The Staff Education Program has had major emphasis. In addition to the continuing programs for all groups, 5 aide training programs, including one given in the evening at the Phillips House by Mrs. Braman and Miss Huggard, prepared 50 hospital aides; and 2 head nurse courses were given to 20 beginning head nurses, assistant head nurses, and staff nurses with potential ability to fill head nurse vacancies. Of special value this year have been the efforts of the administrative staffs in each building, often with head nurse leadership, to establish programs not only to add knowledge but to stimulate improved patient care and personnel satisfaction and security.

The Committee on Patient Teaching and Referral reports progress in providing continuity of patient care. Although the numbers of patients for which referral was made to nursing homes or community nursing services has not increased in quantity, the quality of the referral has improved. Several agencies have commented upon the value of the referrals to prevent loss of time between hospital discharge and resumption of care in the community. A monthly spot check shows referrals for 15% of the patients discharged in the General Hospital, including The Clinics, and 2.8% and 4% for Phillips House and Baker Memorial respectively. Over 2,500 of the 14 booklets prepared by the Nursing Coordinator of Patient and Family Teaching, and approved by representatives of the Medical, Surgical, and Nursing Staffs, have been distributed. Nursing has sought the cooperation of the Medical Staff in the establishment of a self-medication plan for patients in Bulfinch as a means of better preparing the patients for self-care after discharge. At one period of the year this plan made a definite contribution to the broad program of patient education.

The Committee on Purchasing has continued to study and test available supplies of disposable items, and other equipment which could speed or facilitate nursing activities. An electronic

thermometer gives promise of reducing the time required to take a temperature by over 2 minutes. Multiplied by some 2,400+ temperatures taken daily, 2 minutes becomes a significant economy, and points the way toward the need for more such time-saving devices.

Much planning has been done this year for the 5 bed Respiratory Unit which is to be opened on Phillips House second floor early in October. The physical set up has been planned. With the Anesthetist medically responsible for the Unit, working with the Assistant Director of Nurses in the Phillips House, 18 nurses were prepared initially in order that each of the five patients might have the half time of one nurse at all periods. It is anticipated that even with the assistance to be furnished by aides and housekeeping personnel, this amount of nursing time may prove to be grossly inadequate to provide the constant observation, and the essential nursing and technical care.

Each new major development in patient care creates demand for different nursing skills, sometimes to use new and complicated technical equipment, sometimes to carry out new and complicated medical orders, or give a different type of emotional support to patients. In the private services, nurses become accustomed to the heterogeneous demands of doctors from many services. In the ward services, where doctors apply themselves specifically to one area of practice, nurses are expected also to become more narrowly specialized and more highly skilled within the area of the specialty. Nurses, therefore, are insecure when transferred to a floor where services are mixed, or a specialty is unfamiliar. As one approach toward a solution of this problem a plan has been put into effect, first for the supervisors, to acquaint them with all units of the Hospital. In the White Building, where every floor demands specialization, a plan is also underway for the rotation of the staff nurses.

Much time, disproportionately so in some periods, has been spent this year working with the personnel in terms of recruitment beyond that carried on by the Personnel Office, in the training programs, and in adjustment of policies. In May, the pay for night and rotating nurses was adjusted. The night nurse rate was increased for permanent night nurses to equal the evening rate, changing the base pay of $90.00 to $95.00 per week.

Rotating nurses for the first time received full benefits of the evening and night rate for each evening or night worked weekly.

During the year, Miss Edna S. Lepper, Associate Director of Nursing, Mr. Henry J. Murphy, Assistant Director of the Hospital, and Dr. George Richardson, consulting anthropologist, began the study and planning for a reorganized pattern of ward administration. The objectives of the plan are to save and concentrate nursing skills for patient care, to facilitate the work of the Medical Staff, to improve nurse-doctor relationships on the units, all to the end that patient care may be improved.

The School of Nursing

The School of Nursing also experienced a year of constant change. Miss Natalie Petzold, for 13 years an Instructor in fundamentals of nursing and Coordinator of the first year nursing program, was appointed Assistant Director of the Diploma Program. Miss Helen Sherwin, Instructor in the Social Sciences and Coordinator of science instruction, became Coordinator for the first year, and Miss Katherine Hardeman, Coordinator for the third year assumed also the responsibility for the second year program. Since the Coordinators carry a significant share of responsibility for the administration of segments of the School's program, as well as some responsibility for the School as a whole, these appointments spread the over-all administrative responsibilities and leave the Assistant Director time to concentrate on the area of curriculum development and implementation, and opportunity for continuing student observation in the patient areas.

Changes in the curriculum have continued. Studies in the first year indicated the need for two changes: first, to relieve the student pressures, the hours of class were reduced; second, to improve instruction, the teaching of fundamentals of nursing was transferred in large part from the class room to the ward. To maintain a more continuous contact with second year students who are away from the School for six months on affiliation two courses were reorganized: the placement of history of nursing was changed so that this course might be taught during the

McLean affiliation by a member of our School staff, and the course in growth and development was taken from the first year program and given during the Boston Lying-in Hospital affiliation by our Instructor in Pediatric Nursing. To enrich the experience in the third, the internship year, the unit in advanced nursing was increased.

During the year, 9 Instructors in the three-year program and 1 in the Coordinated Program resigned because of marriage related reasons, 3 to secure more advanced preparation for teaching, 1 because of illness, and 2 to take other positions. As the year begins, 15 newcomers to our program are being oriented to the philosophy, objectives and policies of the School and to the Hospital medical and nursing programs. It is to the credit of both old and new that the stability of the program has been maintained, and progressive study of the School's program continued without loss of impetus.

Early in the year, the Cost Study for the School was completed. Results for the year 1959-1960 show the gross cost per student nurse in the School of Nursing to be $2,364. Tuition added to the value estimated for the student's contribution to patient care as she learned averaged $1,000 for the year, leaving a net cost per student to the Hospital of $1,364. In terms of the total three year program, the student paid $3,000 to the Hospital; the Hospital paid $3,092 beyond the amount paid by the student nurse. The student also paid for her uniforms and books, a total of $177.75.

As plans were made to ask the student and her family to assume more of the expense of her education, two alternatives were considered: one, to charge for maintenance for a period of time, or two, to increase tuition. Although it was believed healthy for the student to realize the cost of her maintenance, the second alternative was chosen.

Tuition was increased from $500 total for the three years to $1,100 spread as follows: first year $550, second year $350 and third year $200. With fees, books, and uniforms, the total cost to the student for the three years is now $1,445.75. The School continues to supply board, room, and uniform laundry, without charge.

The plan for financial aid was also considered. An anony-

mous survey of family income was conducted. Two thirds of the parents of the first and second year students responded to the questionnaire. The median annual family income was between $7,000 and $8,000. Thirty-eight families reported incomes in the $5,000 range or below. To meet the need created by the tuition increase, 21 enrolled students and 18 applicants to the September class were given financial aid. In all, $11,975 was given through remitted tuition. In addition, a loan fund was established by the Trustees. The School's need today is for a substantial sum of money to be invested for income for financial aid, in order that aid given to deserving students may not continue to lower the annual income of the School.

The results of several years of exploration culminated in July when Northeastern University agreed to work with the School of Nursing to provide an enriched three-year diploma program. Much is said and written about the future of the school of nursing conducted by a hospital, its inability to provide adequate educational resources, the isolation of the student in the hospital school of nursing from opportunities available to students in other fields, the need for nurses with broader preparation to keep pace with advances in the medical and nursing programs. This Faculty believes the need *today* for the school of nursing conducted by a hospital is indisputable. Without the return of the graduates from the class of 1961, not only could Nursing Service not have opened the beds closed during the summer, more would have been closed. The three-year program does have lacks. To study ways and means of correcting these lacks, the affiliation with Northeastern University was estab- 1962, who are interested in the broader program will be given opportunity to elect the alternate or enriched plan. In the first year, these students will carry 4 full college courses and an introductory course in nursing. They may live at the University, paying the University charge for resident students, or they may live at home. They will pay full college tuition. In June they will come as full time resident students to the School of Nursing to continue their three-year program. They will also carry one full course at the University during the second and third academic years. Thirty thousand dollars has been secured jointly by the Hospital and the University for scholarships for 1962. Miss

Irene Norton, formerly an Instructor in the School of Nursing, was appointed Coordinator for the Alternate Program and liaison with Northeastern University.

The lack of space continues to be the School's major concern, especially in the library. Good teachers, a progressive program, and able students cannot produce optimum results without an adequate library. Chairs are too few for the number of students in the School. Shelves no longer can hold the needed books. The librarian has no space in which to work. If no building can be secured to house the School in whole or in part, social rooms can be used during the day for class rooms, but the School should not continue through another year without a larger space for its library.

For the second year, the Coordinated Program conducted with Radcliffe College admitted directly seven graduates of liberal arts colleges. Represented in the admissions were Radcliffe, Wellesley, Pembroke, Bennington, and Vanderbilt University. No actual progress has been made in planning for the future placement of this program. It is our considered opinion that only if the program can be transferred to Radcliffe or to Harvard University will it continue to grow. There is no question of our need for this group of women, or for their talents in Nursing wherever they may go to work. Coming to the School with broad educational backgrounds, with maturity, with well considered choice of career, these young women represent a stable and valued group. Although numbers are too small to be perhaps valid, it is significant that rarely does one of these young women leave after entrance into the actual nursing program. It is to be hoped that the Radcliffe College-Massachusetts General Hospital School of Nursing Committee may find it possible to take more positive steps in the coming year.

Both the School of Nursing and the Nursing Service appreciate the opportunity which was ours to share in the Hospital's 150th Anniversary celebration. Two sessions were held at the Museum of Science. The morning session included a panel on "The Evolving Role of the Nurse." In the afternoon, a second panel discussed "Nursing Education for the Future". Five hundred and eighteen alumnae were entertained at luncheon by the Nurses' Alumnae Association. Over 400 alumnae,

nurses from the Hospital, and friends of M.G.H. Nursing, gathered for the evening banquet and celebration. Here the Alumnae Association honored nine of its members for "Distinguished leadership and significant contribution to the improvement of patient care": Marie Scherer Andrews, 1936; Adele Corkum, 1934; Katherine Faville, 1921; Edna S. Lepper, 1926; R. Louise McManus, 1920; Margaret Reilly, 1916; Ruth Sleeper, 1922; Helen Wood, 1909; Ellwynne Vreeland, 1934.

RUTH SLEEPER, R.N.
Director of the School of Nursing and Nursing Service

Report of the Social Service Department

IN reviewing the events of this past year and our social services in this busy, human and consequently imperfect agency, dedicated to responsible patient care through service, teaching and research, one is at first more conscious of frustrations and failures than satisfactions and successes, though there have indeed been both. Several factors have made this so.

The budget reduction of 5% for the year meant a reduction in staff. In addition, it has been an able but relatively young and inexperienced staff with 30% having two years or less of experience. This was particularly true in the medical and surgical ward staffs. Caught in the web of the demands of scientific advances in medical care, mounting financial burdens on patients and families to meet costs, and rapid and complicated adjustments needed to facilitate quick discharge plans, even the most experienced workers have at times felt unequal to the task. New knowledge, methods and resources are needed to meet the new social needs in this changing medical and social revolution.

There is satisfaction as one looks at the record of 6,797 individuals who received service. Though this total is 74 less than last year, the decrease is in the number of patients continued from the previous year, while there was an increase of 276 in the number of new referrals to the Department. Most marked increases were in some of the units such as Adult Psychiatry and Alcoholic Services, Emergency and Overnight Wards, Pediatrics (now Children's Service) and Rehabilitation as well as Medical Wards and the private pavilions (Baker Memorial and Phillips House).

To meet these changes we made some additions and reassignments this past summer and early fall. The much needed second social worker was added to the Rehabilitation Service (White 9) which had a 50% increase in referrals this past year. Transfer of a worker full time to Children's Service to bring staffing up to the previous level of two workers still will not meet adequately the increasing requests for service under

Dr. Talbot's program in the clinics and wards and the increased patient census. The bulwarking of the Emergency and Overnight Wards and Alcoholic Service through the new project described later will help this important and busy traffic center. Mrs. Carolyn O'Connor's schedule of one day a week coverage of Baker Memorial as well as of all private patients on White 8 and Vincent 2 and 3 has helped. More staff time and office space are still needed for this private service and the requests which come from the Staff Associates in the Warren Building.

A major and costly service contributed by the Hospital to the community is the twenty-four hour a day, seven day a week ("open door" policy) service for evaluation and treatment of psychiatric emergencies in the clinic and Emergency Ward. Social Service carries a large burden in connection with this service. Miss Eleanor Clark, Supervisor of the Psychiatric Social Service unit, reports that 1,638 patients received social service care, an increase of 10% over last year.

1. *Problems and Services*

As in the past, problems related to old age, chronic disabling disease and psychiatric illnesses make it imperative to help patients and their families mobilize personal and community resources to make medical care effective and their lives more tolerable. These patients have come from near and far, widely scattered from Boston and from several foreign countries. They have needed understanding and personal support as well as concrete assistance in locating and financing chronic, convalescent and rehabilitation facilities. A 23 year old German college student terminally ill with malignancy required help in facing incurable illness, in making the decision to return to his family who had escaped from East Germany. There were complicated plans, involving many private and governmental agencies and individuals. Many details had to be worked out relative to financing the $600 flight to Germany and the important communications with his devoted family who met this tragedy with the same fortitude with which they had started a new life for themselves in West Germany. There was deep satisfaction from the letter which told of his safe arrival and the appreciation of the family.

Closely related to service with the Administration has been the support and help given to patients who have been referred to public assistance for financing of medical care. The staff of the Government Aid Office has been unusually thoughtful and helpful in assisting patients to understand and accept aid. However, the recent Medical Aid to the Aged program and the Hospital's effort for all over 65 to take advantage of this have created a real problem for the independent, proud, aged person. The fear and anxiety of unknown illness and its outcome is difficult enough to meet but at the same time to have to take the step of applying for public assistance and going through a means test is almost more than many can face. Patients and families have come to Social Service in their distress, and with understanding and time have been helped to accept this. There seems to be much evidence that Health Insurance under Social Security may be the answer. The aged have long and more frequent and expensive medical care than the younger age group. Public Welfare cannot acceptably meet the need of those too proud to seek relief under a means test even though hard-pressed to pay bills.

2. *Funds and Finances*

Financial arrangements for ancillary services amounted to $19,163. The largest single item was for transportation (ambulance, taxi, train and plane), $7,900. Next was $2,918 for tuition for special schooling for emotionally disturbed but educable children. Camp, nursing home care, homemaker services and therapeutic appliances made up the other major costs. Of this $19,000, a total of $8,839 came from funds donated to and administered by the Social Service Department. About $1,200 came from patients on time payments; $7,000 was raised on a case by case basis from private agencies and trust funds and about $2,300 was reimbursement from public agencies.

The Department received two large ear-marked donations this year: One was the bequest of Miss Edith Fisher of $81,398.92 for therapeutic appliances for handicapped patients. The second, made in connection with the 150th Anniversary gifts was the Committee of the Permanent Charity Fund pledge of $150,000 for Social Service in the new clinics building.

This year the Multiple Sclerosis Society contributed $1,900 toward Miss Hersey's salary. This has enabled us to relieve Miss Hersey of some of the Neurological Service coverage to be free to visit the homes of many patients with multiple sclerosis.

Funds for use for patients received from the Massachusetts Division of the American Cancer Society, the Permanent Charity Fund, the Ladies' Visiting Committee and many other donors have made it possible to carry out costly recommendations for care.

3. *Research*

The Alcoholism Treatment Project, begun September 1959 under Dr. Morris Chafetz, continued to completion of the sample of 300 patients and the follow-up study of the control and experimental groups. It is an amazing figure that 80% of all patients or relatives have been interviewed by the research team of Mr. Golner and Miss Lacy with a three-fold purpose in the follow-up interview:

a) Patient's reaction to the treatment approach
b) Collection of data on psycho-social history completed to throw possible light on the etiology of alcoholism
c) Furnishing of necessary service in re-establishing treatment relations with experimental group and initiating treatment with the control group

Beginning this fall under a new grant from the National Institute of Mental Health, we are increasing our staff in an attempt to extend this type of service to all alcoholic and psychiatric patients in the Emergency Ward on a 9:00 A.M. to 10:00 P.M., seven days a week basis. We are learning much in new methods of reaching out to patients at point of greatest need and staying with them and meeting their many realistic needs for food, clothing and shelter as well as for sympathy.

4. *Teaching and Staff Development*

A heavy teaching field training program for students from Boston College, Simmons College and Smith College Schools of Social Work has continued with twelve to fourteen students here from October through May. In addition three grad-

uate students in Community Mental Health under the Department of Psychiatry have had some training experience here under the direction of Miss Eleanor Clark.

Miss Loretta Dixon, Supervisor of the Simmons College Training Unit in Cardiac and Chronic Diseases under a grant from the Institutes of Health, carried through to June when she left to establish a rehabilitation training unit in the Rhode Island Division of Vocational Rehabilitation in Providence. This Training Unit is under the auspices of Boston College and Simmons College Schools of Social Work. Fortunately Mrs. Suzanne Deutsch, who had been on a year's leave of absence in Italy, returned in September to resume her work with the Cardiac Student Training Unit and Cardiac Clinic.

Mrs. Edith Haughton has continued with the Boston College and Simmons College Schools of Social Work Rehabilitation Training Unit here and at the Massachusetts Eye and Ear Infirmary. Since its inception in 1955, twenty-four students have received training.

5. *Staff Development*

The staff program committee was active in arranging a seminar on problems of the aged patient. Miss Harriett M. Bartlett was available one day a week part of the year to help the staff in an analysis of practice. Three members attended the two week summer advanced training course at Smith College School of Social Work. Dr. J. L. Weinberger, as psychiatric consultant, continued to be of invaluable help to the staff.

6. *Staff Activities*

Despite heavy work pressures staff members have managed to give extra time to professional writing and community activities. To mention a few:

Miss Eleanor Clark wrote the chapter on "Social Case Work in a General Hospital" for the book, *Frontiers in General Hospital Psychiatry,* compiled by Louis Lenn and published by the New York International Press, 1961.

Mrs. Frances Rabban, senior worker on the Diabetic Service, gave a paper on Social Service to Patients with Diabetes at

the International Diabetic Congress in Geneva in July, 1961. Mrs. Rabban later was granted a leave of absence from September, 1961, to September 1962, to do pioneer work in a tuberculosis clinic in Israel.

Miss Barbour has served as Secretary and more recently as Vice-President of the Boston Social Service Exchange; as a member of the United Community Services' Division Committee of Services to Families and Individuals; and on several other special committees.

7. *Special Events*

In conjunction with the 150th Anniversary Celebration, the Department held its reunion dinner February 1, 1961, to pay special tribute to Miss Cannon. Over 125 attended, coming from as far as Nebraska. The 150th Anniversary Medal with citations was awarded to Miss Ida M. Cannon posthumously and to Miss Harriett Bartlett and Miss Josephine Barbour.

A recruitment brochure, entitled "A Message from Paul Dudley White, M.D.", was published by the National Association of Social Workers. In this there were pictures of Dr. White and members of the social service staff here, as well as the message about medical social work and its value.

8. *Ida M. Cannon Memorial Fund*

Following Miss Cannon's death a fund was started by many unsolicited donations of friends who desired to express their affection and to honor her memory. Upon further request from many sources an official Committee was named and the Ida M. Cannon Fund was established with Dr. Edward L. Young as Chairman. There were sponsors from all parts of the world including ones from Japan, England, France, Sweden and Australia. In September an appeal was mailed to friends and professional colleagues. By October 1 the Fund had reached approximately $5,000. Solicitations will continue for three years with the hope that a sizeable fund can be established, the income of which will be used to meet the expressed purposes of the Fund:

"The Ida M. Cannon Memorial Fund will be used for projects within the area of Miss Cannon's greatest interests—better un-

derstanding of the needs of patients, the social aspects of health and medical care, and the role and requirements of social work in these fields. This Fund will finance grants to social workers and members of associated professions in the United States and other countries for carrying on such projects through study, demonstration, writing, and research."

One cannot close without paying special tribute to three persons who resigned this past year and who have played a vital part in the activities of this Department.

The Reverend William Spofford as Chaplain brought understanding and helpful cooperation in our work with patients and families in meeting social and spiritual needs. He also helped to deepen our knowledge of the fundamental importance of faith and religion in the lives of our clients.

Mrs. Robert Homans, a member of the Social Service Advisory Committee representing the Trustees from 1944 to her resignation in 1961, was a stimulating, faithful member whose forthright, pertinent comments and questions did much to spur us on in doing something about unmet needs. We were always aware of her perceptive support.

Our Department feels a special loss in the resignation of Dr. Dean A. Clark, General Director and ex-officio member of the Social Service Advisory Committee. His deep interest and wide knowledge in the field of public health and welfare and his dedication to improve such services made him very close to our own ideals and hopes. His capacity never to lose sight of the needs of the individual while considering broad services and programs made his contribution to our Department and this Hospital an important one. His ideas and concepts were so well built into the fabric of the Hospital that his vital influence cannot be lost. It is fortunate that both Dr. Ellsworth Neumann and Dr. John Knowles embody this same dedication to patient care in all aspects of the Hospital's activities.

As we look ahead to 1961-62, we hope for renewed energy to meet the new and rapidly changing demands. The staff has capacity for creative thinking and planning if we can somehow find time for reflection and study since new methods and resources must be found to meet the needs of patients today.

JOSEPHINE C. BARBOUR
Chief of Social Service

Report of the Dietary Department

THIS year we have been especially privileged to share-and-compare with many alumnae visitors who "came back to the Massachusetts General Hospital" for the 150th Anniversary Celebration. It has been a stimulating year.

Our activities have been wide in scope. Through participation in the activities of the Massachusetts Dietetic Association and the American Dietetic Association, the Dietary Staff has extended its interests in many areas including the National Convention at St. Louis, Missouri, the American Hospital Association — American Dietetic Association Administrative Workshop and the United States Public Health Seminar on Chronic Disease in Boston.

At the Massachusetts General Hospital, Nutrition Education gained further impetus as evidenced by ever increasing requests for diet instructions. Reports from the units note an increase in the complexity of diet orders, a wider variety of special feedings, and a new interest in proportioned fat diets. On Ward 4 additional support from Federal funds is permitting a wider range of investigation by more internists.

We continue to improve dietary service. Early in 1961 changes in the menu format for the Phillips House offered the patients a greater selection of entree and salad items. Conferences in Work Simplification have continued and resulted in changes in the Cafeteria Service. A quick breakfast line permits a rescheduling of personnel to serve coffee in the General Cafeteria each morning. A menu modification was also made in the service patient area to incorporate an admission meal for the patient in the Emergency Ward.

There have been several structural changes which have resulted in more efficient operation. In the Baker Kitchen, rearrangement of storage space has made it possible to enlarge the salad room and to afford much needed work space in an office for the Diet Aides; formica table tops and new tubular chairs have transformed the appearance of the General Cafeteria; the Private Dining Room has been completely redeco-

rated and folding doors permit the use of one, two or three sections at a time; and a new office area for the Medical Service is well equipped to afford adequate space in good lighting for staff and personnel.

There are twenty-three interns enrolled in the School of Dietetics. They represent twenty-one different Colleges and Universities located in thirteen States and one foreign country. Their curriculum is constantly enriched to include scientific advances and the application of new administrative techniques.

The alumnae group now numbers 632. On May 22, 1961, 200 of them met for a Reunion with tours of the Hospital, visits at the Herrick House, and a dinner party. The passage of time and the separation due to distance immediately dissolved as they recalled the past, shared the present, and dreamed of the future at the Massachusetts General Hospital.

LOUISE HATCH
Director of Dietary Department and School of Dietetics

Report of the Volunteer Department

ONE of my most pleasant duties as Director of the Volunteer Department is to present the Annual Report. In it are reflected the many hours of supreme effort of individuals and groups.

The year 1961 has been a memorable one, opening with the 150th Anniversary Convocation plans and programs, and closing with the 20th Anniversary celebration of the Volunteer Department. Our Department devoted much time to the recruitment, screening and orientation of volunteers for participation in the Convocation programs at the Hospital and the Sheraton Plaza Hotel from Monday, January 30 through Thursday, February 2. A total of 85 volunteers assisted during this celebration, performing 78 jobs with 5 additional volunteers assisting the Director of Volunteers who served as chairman of the Hospital Participation Committee.

The rotogravure section of the Boston Sunday Herald, April 9, contained a full-page article devoted to the Volunteer Department in conjunction with the MGH 150th Anniversary story.

Careful planning was given to formalizing the introduction and training programs for new volunteers. Our fall evening introduction program which reached a new high with an attendance of 85 individuals was held in the Clinics Building Upper Amphitheatre on October 6. A second program was arranged in February with a total of 95 volunteers completing training requirements and now assisting with patient care duties and recreation service in the Burnham Memorial for Children and White 9, the Rehabilitation Unit.

Although our evening needs have been met, as pointed out in other reports, there is still a great need for morning services from 9:30-12:30. As we look forward to the inevitably growing population of the new West End development, we feel confident in predicting the increasing growth of volunteer service and we hope to benefit by interesting more workers to meet the daytime demands.

We were pleased to have the Junior League of Boston, Inc., express their interest, at a meeting in May, in assisting with an evening volunteer program in the Pediatric Service to begin in September.

A new committee composed of Mrs. Nelson W. Aldrich and Mrs. William G. Constable, members of the Institute of Contemporary Art, and Mrs. Henry M. Bliss and Mrs. Carlton P. Fuller of the Ladies' Visiting Committee, has been appointed to catalogue the paintings owned by the Hospital and those borrowed from the outside.

A representative of the American National Red Cross interviewed six staff members on a field visit, April 10 and 11, in preparation for an extensive study being comducted in 65 hospitals throughout the country. This study is concerned with the value, range, and effectiveness of the Red Cross Hospital Volunteers, the integration of the Red Cross Volunteers with other hospital volunteers, and the probable changes likely to effect all hospital volunteer services in the future.

It is with pleasure that we pay special tribute to the American Red Cross Junior volunteers for 31 years of out-hospital service. It is impossible within the space of this Report to present a complete and colorful picture of the total contribution in the form of seasonal decorations, amusing tray favors, toys and games for the patients of the MGH.

In recent years hospitals have shown a growing interest in offering the opportunity for teen-age volunteers to perform an in-hospital service. In view of this, a junior volunteer pilot study was arranged in the Children's Clinic during the months of July and August.

The past five years, under the guidance and enthusiasm of Chaplain Paul R. Swanson, volunteers have been assisting the Protestant Chaplains as lay visitors. With adequate training these volunteers make brief calls on patients recently admitted to the Hospital. During these calls they introduce the Chaplaincy Service and then, by way of short written reports, indicate to the Chaplain those patients who on the basis of obvious need or request might benefit by his call. This program must still be viewed as exploratory and experimental in nature. The volunteers, however, are encouraged about the

service and their participation in this vital program of making available to the patient the spiritual ministry of the Church and Chaplain.

At meetings of the Advisory Committee two guest speakers, Mrs. Harold C. Urschel, Jr., of the Distaff Club and Mrs. C. Chauncey Gray of the Vincent Club, presented informative and interesting talks on the origin and purpose of their groups.

In 1941 Miss Eleanor Greenwood was appointed the first Director of Volunteer Services for the MGH. The following excerpt from Miss Greenwood's report shows "approximately 401 women volunteers during the year 1941 as compared to 232 in 1940, with a total of 31,790 hours of service". Today's record for 1961 reveals 638 men and women, including students, with a total of 54,644 hours of service.

We record with sorrow the deaths of Mrs. Dora G. Daniels and Mrs. Jessie W. Harding who served the Hospital with loyalty, dependability, and real joy of work for the past sixteen years. Mrs. Daniels contributed 9,815 hours of service while Mrs. Harding gave 11,698 hours.

Mrs. Harding was a charter member and the last active member of the original errand service organized by volunteers at the beginning of World War II. At that time supplies were carried in a Red Basket by the volunteers. Mrs. Harding's basket is now in the Archives Room. The Advisory Committee to the Volunteer Department recommended to the Board of Trustees that an annual citation to an outstanding volunteer in memory of Mrs. Harding be established.

As one of four panelists at the New England Hospital Assembly which took place at the Statler-Hilton Hotel, March 20, the Director of Volunteers spoke at the session on "The Health Care Team". Her subject was *The Volunteer as a Team Member.* She was also the guest speaker at the Exeter Hospital Associates Annual Meeting, in Exeter, New Hampshire.

With the tremendous advancement of volunteer service in hospitals there exists a great need for trained professional leadership as Directors of Hospital Volunteers. For the past five years individuals from various sections of this country, Can-

ada and many foreign countries have called on us for guidance in the organization and administration of a Volunteer Department. This includes participation in the Nursing Service program for exchange visitors and Boston University field work students in the Nursing Service Administration. It is my hope that in the very near future some training at the Massachusetts General Hospital will be made available.

MARY RUTH WOLF
Director
Volunteer Department

Report of the Treadwell Library

THE Treadwell Library observed the sesquicentennial year of the Massachusetts General Hospital with an exhibit in the circulation desk area which included items relating to the history of the Library and its one hundred and thirteen years of service to the medical and surgical staffs of the Hospital. On display were (1) the first annual report, written as a letter to the Trustees by Dr. Henry I. Bowditch in February 1849, covering activities of the year 1848; (2) the first order book (1848-1886) which was also used as an accession book; (3) the seventh book ordered and sixth one received; (4) the borrower's book (1859-1893) which contains many signatures of members of the staff; (5) the book catalogue (1858-1897); and (6) photographs of the Library on Bulfinch 2 (1897-1916) and in its present location.

The statistical chart which follows was also included in the exhibit. Figures for the designated calendar year were obtained from either the annual reports of the Hospital or by reference to the borrowers' book mentioned above. Differences in the reading habits of library patrons separated by one hundred years are reflected in the figures for 1850 and 1950. For example, in 1850, 26 potential readers borrowed a total of 46 books (1.4 per person) during 38 visits to the Library, while in 1960, 956 potential readers borrowed a total of 6,364 books (6.6 per person) during 35,305 reader visits to the Library.

TREADWELL LIBRARY STATISTICS 1850-1960

	Potential Readers†	*Reader Visits*	*Bound Volumes in Library*	*Current Periodicals Received*	*Total Loans*	*Interlibrary Loans Received*
1850	21	*	103	*	*	*
1860	26	38	2,534	*	46	*
1870	34	31	3,419	*	36	*
1880	40	99	*	*	110	*
1890	53	11	*	*	12	*
1900	77	176	5,483	38	79	127
1910	132	1,929	7,492	78	268	168
1920	214	2,625	10,375	77	641	0
1930	294	9,635	13,266	94	2,630	390
1940	454	12,082	15,925	125	4,297	1,199
1950	748	29,511	18,677	181	9,282	3,007
1960	956	35,205	22,888	472	6,364‡	1,754

*Not available
†Does not include students and enrollees in postgraduate courses
‡Periodicals no longer circulate

Although reader visits have increased more than ten times since the Treadwell Library moved to the Moseley Building in 1916, only space to accommodate an additional sixteen people has been provided.

During 1961 the circulation of books and unbound journals decreased by some 700 and 500 respectively, although the number of readers using the Library increased by approximately 1,500. This seems to be an indication that more of the people are using the material in the Library and are satisfied with our policy of keeping first copies of all periodicals in the Library for use there. An indication that the Treadwell is better meeting the needs of its patrons is the decrease in the number of inter-library loans received. At the same time loans to other libraries have increased from 34 to 117.

Since such publications as *Advances in Medicine, Progress in Neurobiology* and *Annual Review of Physiology* are indexed in *Index Medicus,* these titles have been included in the number of periodicals currently received by the Library. Of the 517 serials currently received, 392 are purchased and 124 are gifts.

The New England Regional Medical Librarians met in Burlington, Vermont on October 14-15, 1960. One of the principal topics of discussion was the indexing and abstracting services and their coverage of the periodical literature in the various medical fields. Special attention was accorded the new *Index Medicus.*

The only meeting of the Boston Medical Librarians Council during 1961 was devoted to preliminary plans for the Medical Library Association meetings to be held in Boston in 1965, and to a progress report on the plans for the Francis A. Countway Library of the Harvard Medical School.

The annual meeting of the Medical Library Association in Seattle, Washington, May 7-12, 1961 gave the Librarian the opportunity to visit the University of Washington Medical Center and its very excellent library. A vacation in Hawaii made possible visits to the libraries of the Hawaii Medical Society, the Queen's Hospital, Punahou School, University of Hawaii, as well as the Library of Hawaii in Honolulu. Some of the sessions of the Special Libraries Association Convention in San Francisco, California, from May 28 to June 2 were held at the

San Francisco Medical Center and the Stanford University Medical Center in Palo Alto. Both of these Medical Centers have outstanding new libraries.

Miss Cole was appointed to serve for four years on the Subcommittee on Recruitment of the Medical Library Association and was elected Vice Chairman of the Biological Sciences Division of the Special Libraries Association. Her duties as library consultant for the Boston Chapter of the Special Libraries Association terminated in September 1961.

The installation of new fluorescent reading lamps on the tables in the reading room has been a great improvement.

Staff changes during the year included the resignation of Mrs. Kathryn R. Cullinan and her replacement by Miss Ann O. Bailey, who, in turn was replaced by Miss Roberta MacLaren. Night clerical help included Mrs. Betty A. Minton, Miss Elizabeth D. Wallace, Miss Linda Hauver, Mrs. Ann White, Miss Wilma A. Evans, Miss Dorothy Kupfer, and Miss Yorkette Solomon.

Two faithful volunteers who have added yet another year of service to the Treadwell Library are Mrs. Virginia L. Crowell and Miss H. Bernice Sweeney.

To each member of the Treadwell Library Committee sincere thanks is expressed for helpful counsel throughout the year.

The Treadwell Library Committee joins the staff in expressing appreciation to all who have contributed publications to the Library. An alphabetical list of these donors is kept on file in the Librarian's office.

The statistics for the year follow:

	1960	*1961*
Number of periodical volumes	13,259	13,803
Number of other volumes	9,629	9,967
Number of pamphlets	2,000	2,250
Number of photocopies received from National Library of Medicine	309	300
Number of pages photocopied in Treadwell	4,814	5,294
Approximate number of items given to other libraries or individuals	865	844
Number of periodicals	472*	517†
Number of volumes loaned	4,531	3,779
Number of unbound periodicals loaned	1,833	1,389
Total number of loans	6,364	5,122

Number of items borrowed from other libraries	1,754	1,506
Number of items loaned to other libraries	34	117
Number of persons using library during day	26,344	27,369
Number of persons using library during evening	5,150	5,630
Total number using the library	31,444	32,999

*Includes 352 purchased and 120 gifts.
†Includes 353 purchased journals, 39 annuals and 124 gifts.

GENEVIEVE COLE
Librarian

Dalton Scholarships

THE income of this fund, amounting to $1,000 annually, is devoted to investigation in the science of medicine. The rules of the Trustees applicable to it are as follows:

ARTICLE 1. Candidates shall be nominated to the Board of Trustees by the General Executive Committee with their recommendations. They shall be either interns of the General Hospital or graduates of a regular American medical college.

ARTICLE 2. The nature of the work in medical investigation proposed to be prosecuted by each candidate shall be designated by the candidate.

ARTICLE 3. The dates of beginning and ending scholarships, the amounts of the stipends and the conditions of work shall in each case be recommended by the General Executive Committee to the Board of Trustees.

ARTICLE 4. The results of work of scholars shall appertain to the Hospital, and when made public the name of the scholar shall accompany the publication, but no publication shall be made unless approved by the General Executive Committee.

ARTICLE 5. When the income is insufficient, appointments for the year may be omitted.

ARTICLE 6. Any income not used shall be cumulative and not added to the principal.

ARTICLE 7. Scholars shall be eligible for renomination and reappointment.

Further information may be had by applying to the General Director of the Massachusetts General Hospital.

Warren Triennial Prize

THE Warren Triennial Prize was founded by the late Dr. J. Mason Warren in memory of his father, and his will provides that the accumulated interest of the fund shall be awarded every three years to the author of the best dissertation considered worthy of a premium on some subject in Physiology, Surgery, or Pathological Anatomy, the arbitrators being the General Executive Committee of the Massachusetts General Hospital.

In 1962 the prize will be awarded in the form of a lectureship at the Massachusetts General Hospital. The Warren Prize Lecturer, selected for outstanding work in medical science, will be nominated to the Trustees by the General Executive Committee.

The submission of special theses or essays will no longer be required for this competitive prize.

JOHN H. KNOWLES, M.D.
General Director

Statistical and Comparative Tables

Statistical and Comparative Tables

TOTAL ACCRUED EXPENSES

	General Hospital	Out-Patient Department	Phillips House	Baker Memorial	Miscellaneous	Total
1952.....	2,810,431.	819,420.	870,212.	2,054,835.	2,731,526.	9,286,424.
1953.....	3,064,151.	887,828.	907,984.	2,084,635.	2,788,945.	9,733,543.
1954.....	3,168,890.	1,012,659.	1,006,092.	2,407,785.	3,229,039.	10,824,465.
1955.....	3,575,242.	1,008,501.	1,042,335.	2,512,596.	3,473,377.	11,612,051.
1956.....	4,261,912.	1,158,356.	1,203,094.	2,770,015.	3,690,189.	13,083,566.
1957.....	4,476,986.	1,334,795.	1,304,260.	2,934,279.	4,518,960.	14,569,280.
1958.....	5,375,433.	1,483,044.	1,523,384.	3,406,112.	2,378,576.*	14,166,549.
1959.....	5,575,972.	1,605,612.	1,666,735.	3,714,185.	2,794,412.*	15,356,916.
1960.....	6,052,617.	1,739,500.	1,770,265.	4,155,916.	3,501,466.*	17,219,764.
1961.....	5,968,122.	1,701,771.	2,004,181.	4,301,078.	4,247,635.*	18,222,787.

TOTAL NET ACCRUED EARNINGS

1952.....	1,641,270.	575,864.	1,059,098.	2,304,887.	1,360,677.	6,941,796.
1953.....	1,922,424.	599,384.	1,165,987.	2,476,787.	1,410,630.	7,575,212.
1954.....	1,958,527.	648,324.	1,177,469.	2,638,040.	1,512,106.	7,934,466.
1955.....	2,357,868.	645,829.	1,235,431.	2,718,253.	1,700,183.	8,657,564.
1956.....	2,900,094.	659,737.	1,434,467.	2,966,123.	1,762,277.	9,722,698.
1957.....	2,927,985.	792,358.	1,523,634.	3,423,917.	2,155,307.	10,823,201.
1958.....	3,570,656.	864,742.	1,790,032.	3,897,908.	2,401,304.	12,524,642.
1959.....	3,837,852.	856,443.	1,976,648.	4,508,186.	2,660,813.	13,839,942.
1960.....	4,023,076.	954,376.	2,312,042.	5,012,325.	2,971,008.	15,272,827.
1961.....	4,660,384.	1,032,484.	2,725,019.	5,204,960.	3,385,425.	17,008,272.

* Research Funds excluded.

STATEMENT OF STOCK ON HAND

	Oct. 1, 1961	*Oct. 2, 1960*
Total Stock on Hand October 1, 1961 and October 2, 1960 respectively	$776,226.14	$752,736.54

NOTE: Due to the 13 period fiscal year, the 1960 year contains one extra week. Therefore the 1960 figures and statistics are based upon a 371 day year instead of 364 days.

GENERAL HOSPITAL

	No. Patients Admitted to Wards	Total Patients' Days Treatment	Average Stay in Hospital	No. Operations House Cases
1952	10,547	118,120	11+	4,793
1953	10,698	127,337	12—	5,639
1954	10,521	127,496	12+	7,052
1955	11,586	141,585	12+	6,868
1956	11,083	141,231	13—	7,225
1957	11,734	133,521	12—	7,745
1958	11,890	141,371	12—	6,991
1959	11,954	142,097	12—	7,098
1960	11,547	134,047	11+	7,015
1961	11,607	138,687	12—	7,613

	1961	*1960*
Net income, General Hospital	$4,660,384.	$4,023,076.
Total number of patient days	138,687	134,047
Average number of patients per day	381	361
Number of beds available	459	459
Percentage of beds occupied	83%	78.7%
Autopsies	68.5%	63.1%
Per capita earnings (excluding special nurses)	33.60	30.01
Per capita earnings on special fees	18.07	14.84
Per capita cost of foods, patients only	.91	.92

EMERGENCY WARD

	Number of Patients Treated	Average Daily Cost per Patient	Cost of Maintenance	Total Net Receipts
1952	20,243	8.16	165,108.	71,149.
1953	21,231	9.02	191,442.	86,891.
1954	21,216	10.28	218,048.	108,598.
1955	25,027	10.35	258,960.	132,560.
1956	29,144	12.18	355,013.	130,049.
1957	32,036	11.76	376,625.	154,539.
1958	35,041	9.73	340,911.	168,212.
1959	35,698	11.10	396,425.	128,800.
1960	38,258	14.27	546,050.	188,284.
1961	41,296	16.31	673,400.	164,714.

COMBINED CLINICS

	New Cases	Total Number of Visits	Daily Average	Total Number Prescriptions Filled
1952	14,307	177,657	588+	111,959
1953	14,955	176,587	585	114,859
1954	15,226	181,774	602—	121,424
1955	14,577	187,747	622—	126,067
1956	13,079	186,517	618—	127,885
1957	13,173	211,205*	699+	129,179
1958	12,283	216,216*	716—	129,622
1959	12,491	225,256*	746	133,103
1960	12,442	225,456*	732	139,472
1961	11,996	206,395.*	683	136,676

	Cost of Combined O. P. D.	M. G. H. Share of Cost	Aver. Cost per Visit in Comb. Depts.	Total Net Receipts	Aver. Net Receipts	MGH Share of Net Receipts
1952	918,728	726,900	5.17	697,498	3.93	484,020
1953	943,852	779,549	5.34	645,901	3.66	489,568
1954	1,069,175	888,492	5.88	671,304	3.69	517,888
1955	1,088,976	889,033	5.80	685,386	3.65	527,948
1956	1,243,689	1,022,144	6.67	673,815	3.61	525,917
1957	1,420,258	1,191,370	6.72	806,433	3.82	651,397
1958	1,565,229	1,327,536	7.24	868,250	4.02	710,984
1959	1,704,172	1,454,023	7.57	917,333	4.07	707,470
1960	1,868,276	1,592,537	8.29	1,042,143	4.62	809,164
1961	1,836,817	1,543,860	8.90	1,115,399	5.40	878,732

*Includes Staff and Other — See page 132.

	New Patients		Subsequent Visits		Staff & Other	
	1961	*1960*	*1961*	*1960*	*1961*	*1960*
Admitting Physician	729	810	1,867	2,020	8	7
Medicine	468	499	22,340	22,609	78	1,037
Alcohol	95	47	1,500	1,403	37	1,311
Allergy	1	17	7,170	8,797	777	769
Anemia	—	—	—	—	—	—
Hematology	3	—	321	394	8	6
Arthritis	1	5	1,004	1,066	21	35
Diabetes	6	5	2,910	3,330	47	76
Gastro-Intestinal	4	3	1,187	1,018	6	11
Cardiac	10	13	996	937	8	13
Hypertension	1	—	631	593	26	16
Nutrition	—	2	262	331	325	4,122
Ovarian Dysfunction	1	—	17	13	3	1
Podiatry	3	—	1,473	1,420	311	268
Pulmonary	3	4	503	487	12	141
Rheumatic Fever	1	1	529	479	2	6
Thyroid	—	10	2,033	3,163	1,187	259
Dermatology	691	766	7,592	8,318	1,400	1,614
Syphilis	45	41	2,020	2,503	296	398
Neurology	87	148	6,310	6,831	341	141
Language	29	42	6,131	6,869	19	106
Psychiatry	377	282	3,907	4,315	1,420	24
Child Psychiatry	8	5	1,512	1,917	—	434
Children's Medicine	708	685	4,848	5,195	583	210
Adolescent Endocrine	21	34	874	918	11	31
Surgery	281	350	12,148	12,688	611	915
Amputation Clinic	25	31	174	160	1	2
Amputation Rounds	20	21	145	137	1	6
Fracture	4	1	3,634	3,411	135	136
Hand	14	36	209	80	19	48
Plastic Surgery	8	—	162	97	1	1
Rectal Surgery	—	—	137	217	14	7
Vascular Surgery	2	2	367	436	15	28
Gynecology	140	135	3,223	2,981	286	380
Orthopedic Surgery	275	281	6,303	6,986	462	575
Infantile	—	—	—	—	—	—
Scoliosis	—	—	8	67	—	—
Urology	124	78	5,432	5,054	177	239
Stone	—	—	—	—	—	—
Dentistry	366	344	3,298	3,105	1,066	1,110
Tumor	141	143	7,177	8,064	67	553
Rehabilitation	3	3	310	170	1	1
General Hospital Clinics	4,695	4,844	120,664	128,579	9,782	15,037
General Hospital Totals	4,695	4,844	120,664	128,579	9,782	15,037
Ear, Nose and Throat	2,586	2,891	20,281	21,443	1,072	2,068
Eye	4,715	4,707	40,816	42,248	1,784	3,639
Eye & Ear Infirmary Totals	7,301	7,598	61,097	63,691	2,856	5,707
Combined Out-Patient Department Totals	11,996	12,442	181,761	192,270	12,638	20,744

	1961	*1960*
Total Attendance	206,395	225,456

PHILLIPS HOUSE

	No. Patients					Total Patients' Days	Aver. No. Days in	No. of
	Med.	Surg.	Obstet.	Total	†Births	Treatment	Hospital	Operations
1952....	1,084	1,527	21	2,632	18	29,009	10+	1,414
1953....	1,096	1,600	0	2,696	0	30,121	11—	1,414
1954....	1,134	1,482	0	2,616	0	30,736	11+	1,312
1955....	1,168	1,528	0	2,696	0	32,266	11+	1,153
1956....	1,269	1,671	0	2,940	0	36,938	12+	1,251
1957....	1,233	1,645	0	2,878	0	36,909	12+	1,386
1958....	1,406	1,647	0	3,053	0	36,396	12+	1,192
1959....	1,453	1,822	0	3,275	0	41,784	12—	1,366
1960....	1,369	2,148	0	3,517	0	40,924	12—	1,487
1961**	1,536	2,230	0	3,766	0	42,429	11+	1,467

	1961	*1960*
Average number of patients per day	118	110
Number of beds	159	132
Percentage of beds occupied	74.1%	83.6%
Autopsies	73%	70%
Gross per capita earnings, excluding special nurses	63.52	56.50
Net per capita earnings on special fees excluding board and special nurses	20.19	18.91
Per capita cost of raw food, patients only	1.89	1.81

BAKER MEMORIAL

	No. Patients					Total Patients' Days	Aver. No. Days in	No. of
	Med.	Surg.	Obstet.	Total	†Births	Treatment	Hospital	Operations
1952....	2,007	5,449	164	7,620	139	88,096	11+	5,875
1953....	1,848	5,845	*226	7,919	0	93,496	11+	6,233
1954....	2,144	5,826	*250	8,220	0	98,461	11+	4,765
1955....	2,342	5,753	*285	8,380	0	96,211	11+	4,588
1956....	2,331	5,956	*364	8,651	0	102,484	12—	4,887
1957....	2,459	6,166	*391	9,016	0	102,738	11+	4,954
1958....	2,747	6,181	*368	9,296	0	106,450	11+	4,851
1959....	3,006	6,694	*405	10,105	0	112,351	10+	4,215
1960....	2,866	7,287	*393	10,546	0	119,167	11+	5,359
1961**	2,941	7,033	*318	10,292	0	116,932	11+	5,459

	1961	*1960*
Average number of patients per day	334	321
Number of beds available	340	340
Percentage of beds occupied	98.4%	94.4%
Autopsies	69.1%	66.7%
Gross per capita earnings, excluding special nurses	42.75	42.06
Net per capita earnings on special fees excluding board and special nurses	17.13	16.40
Per capita cost of raw food, patients only	1.19	1.17
Average professional fee per patient	158.11	130.14
Average Hospital charge per patient	584.60	563.60
Average Hospital charge per patient, including professional fees, but excluding special nurses	698.76	654.56

*Children's Medical.

†Newborn are not counted as admissions and are therefore not included in census.

**Based on discharge statistics.

COMBINED STATISTICS FOR ALL UNITS FOR 1961

	General Hospital	Baker Memorial	Phillips House	Total
Number of patients admitted	11,607	10,689	3,803	26,099
Number of patient days	138,687	121,745	42,900	303,332
Number of operations	7,179	5,459	1,467	14,105
Average number of patients	381	334	118	833

RADIOLOGICAL DEPARTMENT

General Hospital	*1961*	*1960*
House Patients Examined	20,412	19,592
Out-Patient Department patients examined	12,224	12,580
Emergency Ward patients examined	13,154	12,561
Staff patients examined	2,700	3,234
Total number patients examined	48,490	47,967
X-Ray treatments given (Inc. Baker & Phillips House)	*19,828	**19,875
Number of examinations	67,811	67,328
Total number of examinations and treatments	87,639	87,203
Phillips House		
House patients examined	4,583	4,243
Private patients examined	10	18
Total number patients examined	4,593	4,261
Number of examinations	7,287	6,819
Total number of examinations	7,287	6,819
Baker Memorial		
House patients examined	14,413	13,076
Private patients examined	11,754	10,132
Total number patients examined	26,167	23,208
Number of examinations	36,968	33,341
Total number of examinations	36,968	33,341

* Includes 162 Radium & Isotope cases
**Includes 172 Radium & Isotope cases

ENTIRE HOSPITAL
(Combined Statistics)

	1961	1960
Total number patients examined	79,250	75,436
Total number patients treated	1,459	1,270
Total number patients examined and treated	80,709	76,706
Total number examinations	112,066	107,488
Total number treatments and observations	19,666	19,703
Total number of radium & isotopes treatments	162	172
Total number examinations, treatments and observations, radium & isotopes	131,894	127,363

RADIUM THERAPY

Treatments given:	1961	1960
General Hospital (including Eye and Ear Infirmary)	97	89
Phillips House	9	6
Baker Memorial	56	77
Total number treatments given	162	172

PHYSICAL MEDICINE DEPARTMENT

PHYSICAL THERAPY

Treatments given:	1961	1960
Out-Patient Department	1,337	982
General Hospital (including Eye and Ear Infirmary)	9,782	18,033
Phillips House	1,996	2,470
Baker Memorial	4,795	3,987
Private ambulatory patients	6,966	3,617
Total treatments given	24,876	29,089

NURSING DEPARTMENT

	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
Average No. of Graduates on General Hospital Staff	213	203	220	187	194	190	254	249	260	253
Average No. of Graduates on School of Nursing Staff				42	41	44	46	48	49	48
Average No. of Graduates on Baker Memorial Staff	79	74	80	60	58	60	78	75	70	73
Average No. of Graduates on Phillips House Staff	56	54	55	55	58	62	76	83	84	85
Average No. Accepted Pupils	293	286	282	286	279	267	296	314	237	348
Average No. Preclinical Students†	93	83	71	72	68	74	77	66	129	124
Average Total	734	700	708	625	698	697	827	834	829	807
Total No. Preclinical Students† Admitted	150	133	143	139	125	186	135	134	148	134
Preclinical Students† Dropped and Resigned	19	20	28	21	12	14	6	15	16	39
Accepted Pupils Dropped and Resigned	20	14	6	14	16	18	20	21	31	12
Total Dropped and Resigned	39	34	34	35	28	32	26	36	47	51
Average No. of Graduates on General Hospital Staff—*Part time	7	8	11	11	20	17	18	12	12	13
Average No. of Graduates on Baker Memorial Staff—*Part time	8	5	12	8	10	5	5	7	13	13
Average No. of Graduates on Phillips House Staff—*Part time	3	4	6	9	9	11	5	6	6	8
Total *Part time graduates	18	17	29	28	39	33	28	25	31	34

*Part time nurses expressed in equivalent of full time.

†Now called Freshman year.

MASSACHUSETTS GENERAL HOSPITAL

Combined In-Patient Care Income and Cost per Day

	1961	*1960*
Total Number of In-Patient Days	303,332	294,138
Total Income	$16,874,779	$15,278,966
Deduct Non In-Patient Income:		
Other Income	2,774,806	2,667,650
Out-Patient Department	740,571	724,574
Emergency Ward	217,874	166,555
Private Ambulatory	376,674	299,130
	4,109,925	3,857,909
Total In-Patient Income	$12,764,854	$11,421,057
Income Per In-Patient Day	$42.08	$38.83
Total Expenses	$22,410,067	$20,739,610
Deduct Non In-Patient Expense:		
Non-Operating & Research	5,126,919	4,197,337
Non-Patient	2,258,431	1,796,276
Out-Patient Department	1,543,860	1,592,537
Emergency Ward	673,400	546,050
Private Ambulatory	356,928	345,892
	9,959,538	8,478,092
Total In-Patient Expense	$12,450,529	$12,261,518
Cost Per In-Patient Day	$41.05	$41.69

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS, AT THE GENERAL HOSPITAL, PHILLIPS HOUSE AND THE BAKER MEMORIAL FROM JANUARY 1, 1952 TO OCTOBER 1, 1961

General Hospital					Out-Patient Department		Phillips House				The Baker Memorial			
		Deaths						Deaths				Deaths		
Year	Admissions	Total Number	Percentage of Total Admitted	Average Daily Census	New Patients	Visits	Admissions	Total Number	Percentage of Total Admitted	Average Daily Census	Admissions	Total Number	Percentage of Total Admitted	Average Daily Census
1952	10,547	530	5.02	325−	14,307	177,657	2,632	88	3.34	80−	7,620	194	2.54	242+
1953	10,698	597	5.06	350−	14,955	176,587	2,696	86	3.19	83−	7,919	206	2.60	256+
1954	10,521	585	5.56	350+	15,226	181,774	2,616	76	2.90	84+	8,220	194	2.36	273+
1955	11,586	680	5.86	389−	14,577	173,170	2,697	74	2.74	88+	8,390	243	2.89	264+
1956	11,083	671	6.04	390+	13,079	186,517	2,940	81	2.75	95+	8,651	221	2.55	281+
1957	11,734	778	6.63	367−	13,173	211,205	2,878	75	2.96	98+	9,086	268	2.94	282+
1958	11,890	866	7.28	384+	12,283	216,216	3,053	93	3.05	92−	9,296	279	3.00	292+
1959	11,954	784	6.56	390+	12,491	225,256	3,275	93	2.84	114+	10,105	316	3.13	308+
1960	11,547	843	7.30	361+	12,442	225,456	3,517	100	2.84	114+	10,546	354	3.36	306+
1961	11,607	784	6.75	381+	11,996	206,395	3,803	115	3.02	117+	10,689	369	3.45	334+

Total number of patients admitted to General Hospital from the year 1821 — 584,870
" " " " " " Phillips House " " " 1917 — 105,697
" " Baker Memorial " " " 1930 — 219,829

910,396

MASSACHUSETTS GENERAL HOSPITAL — INCOME STATEMENT
THIRTEEN PERIODS ENDING OCTOBER 1, 1961

GROSS EARNINGS AT STANDARD RATE	Total 1960	Total 1961	Phillips House	Baker Memorial	General Hospital	General Hospital O.P.D.	Emergency Ward Treatment	Private Ambulatory	Other
DAY RATE SERVICE	$8,781,578.73	$9,610,693.92	$1,749,444.53	$3,740,091.70	$3,993,076.09	.....	.....	.....	128,081.60
Out Patient Adm. Fees	471,264.87	477,329.00	.....	.....	.....	477,329.00	.....	.....	.....
Emergency Ward Fees	153,161.41	170,303.09	.....	.....	.....	.....	170,303.09	.....	.....
Operating Room	1,173,150.15	1,247,308.07	182,510.33	568,594.94	475,133.00	884.25	733.55	11,264.30	8,187.70
Anesthesia	509,424.80	577,174.66	104,338.74	299,203.58	166,506.77	201.20	243.50	1,264.00	5,416.87
Radiology—Diagnosis	1,134,928.30	1,393,155.97	145,865.00	290,275.50	432,824.50	191,033.51	140,346.50	185,087.88	7,723.08
Radiology—Therapy	134,988.24	184,289.64	22,775.00	30,621.00	10,796.00	37,137.65	.....	77,749.49	5,210.50
Laboratories	1,344,904.11	1,654,633.10	223,036.95	395,588.00	638,155.95	126,406.52	57,486.05	130,900.05	83,059.58
Basal Metabolism	13,173.50	11,554.00	1,075.00	142.50	482.50	5,772.00	.....	4,082.00	.....
E K G	84,597.39	107,719.88	10,610.50	16,399.75	59,722.00	8,244.48	6,971.15	2,655.25	3,116.75
Blood Bank	336,436.61	365,281.86	56,776.06	124,010.18	152,986.17	108.65	13,962.18	.....	17,438.62
Physical Therapy	116,611.95	101,186.03	13,181.04	22,209.64	29,161.94	7,896.25	6.00	29,517.99	(786.83)
Occupational Therapy	5,281.77	.....	.....	.....	.....	.....	.....	.....	.....
Purchased Service	41,736.18	37,496.00	5,169.77	8,641.05	16,331.53	69.95	3,637.47	.....	3,646.23
Oxygen Therapy	100,356.50	149,436.69	17,164.46	34,042.37	97,175.91	.....	5.10	(17.00)	1,065.85
Intravenous Therapy	158,209.73	161,301.97	16,272.30	53,745.25	89,467.45	10.00	912.00	.....	894.97
Central Supply Room	76,527.99	80,504.90	8,169.27	27,440.67	41,476.60	69.05	4.45	3.10	3,341.76
Pharmacy	788,646.23	830,172.74	52,443.56	163,672.40	279,244.67	254,194.80	1,033.01	4.95	79,579.35
Total Earnings from Services to Patients	15,424,978.46	17,159,541.52	2,608,832.51	5,774,678.53	6,482,541.08	1,109,357.31	395,644.05	442,512.01	345,976.03
Deductions from Earnings Charity Allowances	1,579,154.05	1,625,063.62	10,103.44	78,269.77	1,045,931.53	322,243.36	160,531.62	6,957.25	1,026.65
Other Rebates and Losses	1,134,905.24	1,066,441.45	43,159.01	221,416.45	736,801.44	46,543.06	17,238.49	1,283.00	.....
Provision for Doubtful Accounts	99,603.76	368,063.59	683.76	97,886.86	210,872.68	.....	.....	57,598.18	1,022.11
Total Deductions	2,813,663.05	3,059,568.66	53,946.21	397,573.08	1,993,605.65	368,786.42	177,770.11	65,838.43	2,048.76
Net Earnings from Services to Patients	12,611,315.41	14,099,972.86	2,554,886.30	5,377,105.45	4,488,935.43	740,570.89	217,873.94	376,673.58	343,927.27
Dietary	364,464.76	382,284.42	.....	.....	.....	.....	.....	.....	.....
Miscellaneous Income	2,303,185.78	2,392,521.48	.....	.....	.....	.....	.....	.....	.....
Total Hospital Earnings	15,278,965.95	16,874,778.76	.....	.....	.....	.....	.....	.....	.....

MASSACHUSETTS GENERAL HOSPITAL

Income and Expense Statement

Summary

Operating Income	*Total 1961*	*Total 1960*
Earnings from services to patients		
Private Patients	$2,608,833	$2,299,995
Semi-Private Patients	5,774,679	5,533,171
Ward Patients	6,482,541	5,654,457
Out-Patient Department	1,109,357	1,038,464
Private Ambulatory	442,512	351,272
Emergency Ward	395,644	302,460
Other	345,976	245,159
Total Earnings From Services to Patients	$17,159,542	$15,424,978
Less:—Deductions from earnings:		
Charity Allowances	$1,625,064	$1,552,029
Other Rebates and Losses	1,066,441	1,162,030
Net Provision for Doubtful Accounts	368,064	99,604
Total Deductions from Earnings	$3,059,569	$2,813,663
Net Earnings From Services to Patients	14,099,973	12,611,315
Other Income	2,774,806	2,667,651
Total Income	$16,874,779	$15,278,966
Operating Expenses		
Professional Care of Patients	$12,672,419	$12,049,183
Dietary Expenses	1,560,766	1,568,535
Housekeeping	736,417	741,428
Laundry & Linen	465,862	378,388
Plant Operation & Maintenance	1,479,359	1,438,923
Other Non-Patient Expenses	311,210	312,776
Total Operating Expenses	$17,226,033	$16,489,233
Net Operating Deficit	351,254	1,210,267
Add:—Non-Operating & Research Expenses	6,114,468	4,854,758
Net Deficit	6,465,722	6,065,025
Available From Treasurer For Expenses At Hospital	6,622,120	5,587,883
Final Deficit—Withdrawn From General Fund Principal	$(156,398)	$ 477,142
Add: Blue Cross Adjustment Nonrecurring	(124,285)	
Final Surplus	$280,683	

MASSACHUSETTS GENERAL HOSPITAL

STATEMENT OF STOCK ON HAND OCTOBER 1, 1961 AND OCTOBER 2, 1960

	Oct. 1 1961	*Oct. 2 1960*
General Hospital Apothecary Out-Patient Department Apothecary	$227,461.58	$209,282.77
General Hospital Upper Store	247,091.07	253,204.45
General Hospital Lower Store	18,326.31	29,553.90
General Hospital Maintenance	75,444.11	75,952.50
General Hospital Postage	2,243.49	2,438.50
General Hospital Print Shop	4,993.63	4,240.48
Other	200,705.95	178,063.94
Total Stock on Hand	$776,266.14	$752,736.54

Report of the Treasurer

In accordance with Article 5 of the By-Laws, the Annual Report of the Treasurer for the fiscal year ending September 30, 1961, approved by Patterson, Teele & Dennis, Auditors, is respectfully submitted.

THE MASSACHUSETTS GENERAL HOSPITAL
CONDENSED YEAR-END BALANCE SHEET

	Sept. 30, 1961	*Sept. 30, 1960*
ASSETS		
CASH	$ 2,525,052.47	$ 2,086,050.00
INVESTMENTS		
Bonds	18,007,796.24	16,564,804.14
Stocks	14,933,512.78	12,974,988.79
Notes and Commercial Paper	3,688,034.59	2,010,005.27
Real Estate	207,527.34	248,847.63
ACCOUNTS RECEIVABLE — PATIENTS AND OTHERS (Less Allowance for Doubtful Accounts)	5,250,040.12	4,472,909.74
NOTES RECEIVABLE	712,730.04	295,732.25
INVENTORIES OF SUPPLIES — AT ESTIMATED COST	839,747.02	822,589.93
PREPAID ITEMS	53,696.75	130,733.40
INTEREST IN MISCELLANEOUS ASSETS	11.00	14.00
PLANT Less Depreciation	19,548,499.77	17,551,031.04
CONSTRUCTION IN PROGRESS	2,074,379.24	1,629,838.47
	$67,841,027.36	$58,787,544.66
LIABILITIES		
ACCOUNTS PAYABLE AND ACCRUALS	$ 846,041.37	$ 681,553.74
PENSION RESERVES	394,588.40	330,120.19
W.C.A. AND REPAIR RESERVES	161,164.47	166,670.79
GENERAL FUND		
Treasurer's Account	63,505.34	(109,699.35)
Director's Account	4,830,298.85	4,320,972.45
GENERAL HOSPITAL ENDOWMENT FUNDS		
Unrestricted as to Income	5,138,052.00	5,086,954.36
Restricted as to Income	17,644,137.94	16,224,625.50
McLEAN HOSPITAL FUNDS		
General Fund		
Treasurer's Account	(649,328.70)	(383,625.47)
Director's Account	656,628.91	475,735.30
Endowment Funds	1,177,074.16	880,513.28
BUILDING FUNDS	3,535,133.74	2,375,673.15
FIDUCIARY FUNDS	524,124.42	540,127.62
FUNDS INVESTED IN PLANT	19,548,499.77	17,551,031.04
TEMPORARY FUNDS		
General Hospital	3,802,931.66	2,667,592.72
McLean Hospital	301,054.20	393,052.33
Fiduciary	11,442.08	9,667.68
GENERAL INVESTMENT PROFIT AND LOSS ACCOUNT	9,855,678.75	7,576,579.33
	$67,841,027.36	$58,787,544.66

THE MASSACHUSETTS GENERAL HOSPITAL

GENERAL HOSPITAL

CONDENSED INCOME STATEMENT

(for fiscal year ending Sept. 30)

	1960-61	*1959-60*
TREASURER'S RECEIPTS		
GIFTS		
Unrestricted	$ 240,941.00	$ 217,789.00
Annual Free Beds	3,150.00	2,659.00
Restricted	5,283,180.57	4,181,555.75
	$5,527,271.57*	$4,402,003.75*
INCOME FROM INVESTMENTS		
Unrestricted	340,631.33	300,995.46
Restricted	1,113,590.65	1,025,788.11
	$1,454,221.98	$1,326,783.57
OTHER INCOME		
From Trusts and Agents	11,122.13	9,226.01
Contributions for Connecting Building	10,413.00	10,413.00
Huntington Memorial Hospital	22,385.35	20,706.87
Miscellaneous	910,545.85	255,795.49
	$ 954,466.33	$ 296,141.37
TOTAL	$7,935,959.88	$6,024,928.69
RESTRICTED INCOME NOT APPLIED	1,135,338.94	312,282.36
	$6,800,620.94	$5,712,646.33
PAYMENTS FROM INCOME		
Added to Principal	63,084.31	59,647.08
Treasurer's Payments From Funds and Miscellaneous	115,416.78	65,115.88
	$ 178,501.09	$ 124,762.96
TREASURER'S BALANCE AVAILABLE FOR EXPENSES AT HOSPITAL	$6,622,119.85	$5,587,883.37
HOSPITAL EXCESS OF EXPENSES	6,465,721.96	6,065,025.34
SURPLUS — (DEFICIT)	$ 156,397.89	$ (477,141.97)
BLUE CROSS ADJUSTMENTS APPLICABLE TO PRIOR YEARS	124,285.40	
BALANCE — TO GENERAL FUND PRINCIPAL	$ 280,683.29	$ (477,141.97)

* Includes Community Fund Allocation of $215,481.00 for 1960/61 and $202,439 for 1959/60.

THE MASSACHUSETTS GENERAL HOSPITAL
McLEAN HOSPITAL
CONDENSED INCOME STATEMENT

(for fiscal year ending Sept. 30)

	1960-61	*1959-60*
TREASURER'S RECEIPTS		
GIFTS		
Unrestricted	$ 75.00	$ 135.00
Restricted	479,857.00	423,768.64
	$479,932.00	$423,903.64
INCOME FROM INVESTMENTS		
Unrestricted	$ 12,706.95	$ 11,919.83
Restricted	45,016.63	42,813.43
	$ 57,723.58	$ 54,733.26
OTHER INCOME		
From Trusts and Agents	$ 5,325.00	$ 5,090.00
Miscellaneous	21,241.08	17,848.07
	$ 26,566.08	$ 22,938.07
TOTAL	$564,221.66	$501,574.97
RESTRICTED INCOME NOT APPLIED	(91,998.13)	165,793.61
	$656,219.79	$335,781.36
PAYMENTS FROM INCOME		
Added to Principal	$103,804.03	$ 119.09
Expenses Paid from Funds	3,472.87	15,811.96
	$107,276.90	$ 15,931.05
TREASURER'S NET RECEIPTS	$548,942.89	$319,850.31
HOSPITAL EXCESS OF EXPENSES	634,752.51	425,945.18
DEFICIT—WITHDRAWN FROM FUNDS	$ 85,809.62	$106,094.87

GENERAL FUND

	Income	Principal
FOR ANY HOSPITAL PURPOSE		$63,505.34

GENERAL HOSPITAL FUNDS

	Income	Principal
FLORENCE M. AGOOS MEMORIAL FUND For developing and furthering medical research and scientific medical knowledge through research and teaching. Bequest of Solomon Agoos		$10,000.00
PHILIP R. AND ANNE L. ALLEN ENDOWMENT FUND Income for any Hospital Purpose.		50,000.00
ANESTHESIA FUND Income to be used to supply laboratory facilities or such other advantages as the Trustees may determine for the Chief of the Anesthesia Department.		41,029.78
MARTHA B. ANGELL FUND For medical and surgical experimentation on animals to the end of saving human lives.		34,040.82
ARCHIVES, PICTURES AND HISTORICAL RELICS FUND "The income of which shall be used for the continuous and better care of hospital archives, pictures and historical relics pertaining to both the General Hospital and the McLean Hospital."	$1,286.77	8,147.25
JOHN ASHTON FUND For diseased and wounded soldiers.		30,522.18
THE JOSEPH C. AUB FUND Income to be spent for Cancer Investigation.	3,105.26	17,561.17
BAKER MEMORIAL FUND For the Baker Memorial. Sundry Bequests.		104,108.78
BAKER MEMORIAL ASSISTANCE FUND Income to help pay the hospital expenses of such individual patients of small means as are believed to have incurred hospital expenses greater than they anticipated at the time of entering the Hospital,—but not limited to such cases. Disbursements to be made on recommendation of staff member in charge of patient approved by Committee designated in will. Income may also be used to purchase apparatus suitable for handling fractures and operations. Bequest of Miss Carrie M. Jameson $5,601.20 Sundry Gifts 320.00	3,338.47	5,921.20

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
LILLIAN DOBIE BALBONI MEMORIAL FUND Income for a Free Bed or for any other purpose the Trustees of the Hospital may think best. Sundry Gifts.	$6,169.20	$38,202.37
ARTHUR W. BLAKE FUND Income for the study and cure of nervous diseases.	–711.07	25,000.00
GEORGE WASHINGTON WALES BREWSTER MEMORIAL FUND Income for any Hospital purpose. Bequest of Mrs. George W. W. Brewster $5,000.00 Sundry Gifts 1,289.02		6,289.02
ANNIE BOLTON MATTHEWS BRYANT FUND Income for the benefit of people with moderate means for the establishment of free beds if the management believes it advisable, otherwise for general use.		72,093.70
ARTHUR TRACY CABOT FUND Income for support of laboratories.		20,000.00
RICHARD C. CABOT FUND For educational purposes in connection with the work of the Social Service Department.	1,122.44	50,155.02
RICHARD C. CABOT MEDICAL SOCIAL LIBRARY FUND Income "to be used for the purchase of books for the Social Service Library under the direction of Chief of Social Service." Gift of American Association of Hospital Social Workers.	79.59	1,010.00
SAMUEL CABOT FUND FOR PATHOLOGICAL INVESTIGATION Income for salary of Surgical Pathologist. Gift of Samuel and Dr. Arthur T. Cabot.		10,000.00
CANCER RESEARCH ENDOWMENT FUND For Research in Cancer.	9,290.66	325,526.30
THE IDA M. CANNON MEMORIAL FUND Income to be spent for Social Service in Medical care under the direction of the Advisory Committee to the Social Service Department.		5,325.82
MASSACHUSETTS GENERAL HOSPITAL CHAPEL FUND Gifts of "Friends of the Hospital".	3,530.70	6,913.48
MASSACHUSETTS GENERAL HOSPITAL ENDOWMENT FUND FOR THE STUDY OF CHRONIC DISEASES Income for research work under the direction of Dr. Walter Bauer. Principal may be expended with the approval of Dr. Bauer up to $50,000.		740,832.78
CLINICAL LABORATORY FUND Income for Clinical Laboratory. Bequest of Mrs. Grace M. Kuhn.		10,000.00

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
CONNECTING BUILDING FUND ..... Income for Connecting Building.		$10,000.00
CONVALESCENT HOSPITAL FUND ..... For the Convalescent Hospital	−30,853.47	326,253.40
LORETTA JOY CUMMINS FUND ..... For general purposes of the Hospital, but preferably for the Skin Department.	2,413.53	35,143.38
THE CUSHMAN FUND ..... Income for the Social Service of the Hospital. Gift of Mrs. Charles F. Cushman.	352.60	5,000.00
MIRIAM F. AND ADELINE F. CUTTER FUND "To be used for women in illness especially the aged who have been accustomed to gentle care."	−5.49	10,000.00
CAROLINE ENGSTROM DAHL FUND ..... Income to be used for maintenance of the Research Building; principal expendable within the intent of the bequest at the discretion of the Trustees. Bequest of Mr. Richard Engstrom.		101,170.00
JOHN CALL DALTON AND EDWARD BARRY DALTON FUND ..... Income for investigation in the science of medicine.	8,329.47	35,500.00
CHESTER H. DAVIS FUND ..... Income for "the care, maintenance and medical treatment of crippled and deformed white children between the ages of six months and ten years."		20,000.00
DR. WALTER J. DODD MEMORIAL FUND Income for X-Ray investigation.	4,372.38	31,947.91
THE BESSIE ROCHESTER EDWARDS MEMORIAL FUND ..... Income for the care and treatment of men who have served or are serving in the armed forces of the United States of America. Gifts of	283.04	66,164.36
Trustees of The Bessie Rochester Edwards Memorial Foundation $55,914.20		
Disabled Ex-Servicemen's Exchange, Inc. 10,250.16		
EDWARDS MEMORIAL FUND ..... Until such time as the Trustees of the Hospital shall direct otherwise, the income on $100,000 to be used in such manner as said Trustees may deem proper for medical or surgical research.		406,547.56
Bequest of Miss Grace M. Edwards 391,447.56		
Sundry Bequests 100.00		

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
JOHN W. ELLIOT FUND ..... Income for investigation in the science of medicine, preferably in the Surgical Department. The income may be used for other purposes in case there is no further demand in this direction.	$617.06	20,114.22
ISABELLA H. ELLISON FUND ..... Income for the general purposes of the Baker Memorial.		89,753.16
SARAH POTTER EVARTS FUND ..... For psychiatric social work. Gifts of Mrs. Prescott Evarts and Dr. Helen W. Evarts.	311.90	1,398.42
FRANCES FAY AND ARTHUR KELSEY FAY MEMORIAL FUND ..... Income primarily for care and treatment of persons suffering from or threatened with chronic epilepsy in cases requiring special study. Gift and bequest of James H. Fay.	1,604.22	25,000.00
EDITH S. AND FRANCES B. FISHER MEMORIAL FUND ..... To be used both as to principal and any income to purchase therapeutic appliances for needy crippled or deformed patients as directed by the social service department.	2,511.15	80,000.00
FREE BED FUNDS ..... Income for Free Beds. Sundry Gifts and Bequests.	2,180.63	4,443,145.43
GENERAL SURGERY FUND ..... Income to be used for general surgery purposes under the direction of the Chief of General Surgery. Principal expendable in need.	4,657.54	40,961.32
MRS. JOHN CHIPMAN GRAY FUND ..... For the purchase of books in foreign languages for the use of patients.	913.17	1,000.00
ALLAN W. HAMILTON FUND ..... For medical services in the Outpatient Department.		2,027.03
ABIGAIL R. HAZELTINE FUND ..... Income unrestricted until the establishment of a cancer or incurable ward, then to the maintenance of same; principal may be applied toward a building for this purpose. Bequest of Miss Harriet S. Hazeltine.		10,000.00
THE WILLIAM HILTON FUND ..... "To be invested as a separate fund, and called 'The William Hilton Fund,' the income thereof to be applied for the support of free beds or otherwise, as the trustees shall from time to time deem best, for the poor suffering from disease or injuries"		50,053.58

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
CHARLES W. HOLTZER FUND ..... Income for general research work.		41,666.67
INCOME UNRESTRICTED FUNDS ..... Income for any Hospital purpose. Sundry Gifts and Bequests.		4,529,225.39
JAMES MARSH JACKSON MEMORIAL FUND Income for occupational work or for general purposes. Gift through Trustees of the James Marsh Jackson Memorial Fund.		25,797.20
THE CHESTER MORSE JONES HOUSE STAFF EDUCATIONAL FUND ..... Income only to be spent to increase the educational opportunities for the House Staff through contact with eminent men in the field of medicine either at the Hospital or away.	3,216.21	40,372.80
DANIEL FISKE JONES MEMORIAL FUND .... Income to extend and improve the education of surgical residents and interns.	584.04	11,900.00
CATHERINE PEIRCE KELLEY FUND ..... Income for support and maintenance of a Free Bed for Women . . . aiding those who are most in need of aid. Bequest of Miss Grace Fletcher Kelley.		44,000.00
THE JOSEPH P. KENNEDY, JR. LABORATORIES FUND ..... To bring to the Laboratories the best possible Research men with an interest in mental retardation.	12,637.62	500,000.00
MARGERY AMORY KETCHUM MEMORIAL FUND ..... Income only to be spent on Cancer Research u/d of Dr. Joseph C. Aub so long as he is actively connected with the Hospital; thereafter for cancer research at the discretion of the Trustees. Sundry Gifts.	557.44	24,744.14
EMMA GILDERSLEEVE LANE FUND ..... For cancer research, "preferring but not requiring that this legacy be kept as capital and only its income used for research in cancer."	948.77	20,000.00
THE ISABEL FABYAN LOMBARD FUND .... For the comfort and/or entertainment of Nurses in the Hospital.	197.65	5,000.00
THE MALLINCKRODT FUND ..... Income only to be used for the support of the Mallinckrodt Ward (Ward 4) with limited discretion to the Trustees in case this support is no longer needed.		466,685.42

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
THE FRANCIS COGSWELL MANNING FUND Income for research work under the direction of Chief of the Medical Service. Bequest of Mrs. Annie F. Selfridge ..... $10,000.00 Sundry Gifts 190.00	2,993.24	10,190.00
THE CAPTAIN MARTELL FUND ..... "The interest to be used for the annual purchase of a book or books for the Warren Library, these books to be seafaring stories with the story of Captain Martell pasted on the inside cover of each one."	83.69	121.36
MASSACHUSETTS GENERAL HOSPITAL SCHOOL OF NURSING GRADUATE NURSES SCHOLARSHIP FUND ..... Income for Graduate Nurse Scholarships Gift of Miss Annabella McCrae	245.90	500.75
JAMES HOWARD MEANS FUND ..... To be used under the direction of the Chief of Medical Service primarily towards bringing to the Hospital on a pro tempore basis physicians or other prominent persons whose presence will aid and advance the work of the Medical Service.	1,582.51	30,150.00
JAMES C. MELVIN FUND ..... Subject to certain annuities, income for any purpose of the Corporation, with nonobligatory suggestion for increasing medical knowledge, assisting persons particularly the young who have had hospital treatment, bettering treatment in country districts and co-operating with the Trustees under the Will of James C. Melvin. Bequest of Mrs. Clara M. Melvin.		671,811.13
MEMORIAL FUND TO THE DOCTORS AND NURSES WHO DIED IN THE WAR OF 1917-18 ..... Income for the general purposes of the Hospital, but preferably for free care of patients. Gift of Base Hospital No. 6 Fund through the Ladies' Visiting Committee.		6,189.47
ALBERT G. MITCHELL FREE BED FUND .... Income for the treatment of cancer with nonobligatory suggestion that use of the bed be given to members of the Department of Music in the Boston Public Schools, or otherwise for the use of the teachers of said schools. Bequest of Albert G. Mitchell $4,055.53 Sundry Gift 25.00		4,080.53

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
THE MITTON FUND ..... Income to be used for General Surgery purposes under the direction of Dr. Churchill.	152.02	45,908.36
THE MIXTER FUND ..... ". . . the income only to be expended under the direction of Dr. W. Jason Mixter, during his life, and thereafter by the Chief of the Neurosurgical Service." Sundry Gifts.	1,124.40	70,262.12
FORRIS JEWETT MOORE AND EMMA BAKER MOORE FUND ..... Income for Hospital uses for the alleviation of human suffering.		76,143.32
FANNIE EDSON MORRISON FUND ..... "Income . . . for the support of the Social Service Department."		711,320.97
FRANCIS A. NEWELL ENDOWMENT FUND Income to be used "for the most approved method of treating hip disease due to accident in indigent children."	4,759.23	50,000.00
NORTH END DIET KITCHEN RESTRICTED FUNDS ..... "Income to provide diet for the sick poor." Sundry Gifts and Bequests.		11,366.78
NORTH END DIET KITCHEN UNRESTRICTED FUNDS ..... "To provide diet for the sick poor." Sundry Gifts and Bequests.		34,716.65
FLORENCE NUTE FUND ..... To be "used on behalf of patients with slender or no means with which to meet Hospital expenses." Bequest of Lewis W. Nute.		68,278.57
DR. ALICE IRENE OUTHOUSE MEMORIAL FUND ..... Income to be used for the purchase of pediatric literature for the Treadwell Library. Sundry Gifts.	45.49	530.00
OUTPATIENT DEPARTMENT FUND ..... Income for needy patients. Bequest of Miss Louie Long.	49.56	3,479.71
EMERETTE O. PATCH FUND ..... For the use of the Baker Memorial.		8,240.84
PATHOLOGICAL LABORATORY AND RANDALL FUNDS ..... Income for Pathological Laboratory. Sundry Gifts and Bequests.		83,875.41
JACOB C. R. PEABODY AND ELSA MASON LORD PEABODY MEMORIAL FUND .... Income for the Phillips House. Bequest of Mrs. Elsa Mason Lord Peabody.	2,479.39	35,765.40

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
PHILLIPS HOUSE NURSES LOAN FUND	2,173.99	2,190.00
Income for loans to Phillips House nurses. Sundry Gifts.		
MARY GOVE PITMAN FUND FOR UROLOGICAL RESEARCH	3,038.20	21,051.38
Income for investigation— *First*: Of the cause, treatment and prevention of recurrence of urinary stones, and *Second*: Of any other pathological or physiological problems encountered in urological surgery which are deemed worthy of investigation, the decision as to their importance to be made by a Committee appointed by the Trustees of the Hospital.		
JOHN REDMAN FUND		455,113.34
Income for any purpose except erection or repairs of buildings.		
RESEARCH AND TEACHING FUND		141,475.84
Income for research and teaching.		
EDWARD PEIRSON RICHARDSON LECTURESHIP IN MEDICAL SCIENCE	5,510.88	15,000.00
"The income to be used to provide honoraria for lectures by visiting scientists, preferably in subjects relating to surgery —" Gifts of Dr. Richardson's Sons in Memory of their Father.		
JOHN FYFFE RICHARDSON MEMORIAL FUND	3,654.12	27,942.17
Income only to be spent by the Trustees on recommendation of the Chief of the Huntington Memorial Laboratories or the senior cancer investigator preferably for leukemia research or related areas of cancer research. 5% of income to be added to principal each year until the fund reaches $400,000.		
MAURICE HOWE RICHARDSON FUND	1,021.04	40,400.00
Income for surgical research, as recommended by the Chiefs of the General Surgical Staff. Gifts of		
Dr. Daniel Fiske Jones $25,200.00		
Dr. Edward P. Richardson 5,000.00		
Mrs. Maurice Howe Richardson 5,000.00		
Sundry Gifts 5,200.00		
RICHARDSON TUBERCULOSIS FUND		276,141.63
"For the prevention or cure of tuberculosis." Bequest of Mrs. Mary Rich Richardson		

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
RUSSELL ROBB MEMORIAL FUND ..... Income for the general purposes of the Hospital.		10,000.00
ELSIE M. ROBBINS SOCIAL SERVICE FUND For social service purposes in the Arthritis Clinic.	616.41	11,399.55
WILLIAM MILTON ROSE, M.D., MEMORIAL FUND ..... Income for the benefit of worthy needy persons.	7,302.66	44,766.46
MARY ELIZABETH SALTONSTALL FUND .... Income for the Social Service of the Hospital, "preference being given for the help and care of little children". Bequest of Philip L. Saltonstall.		5,000.00
MARTHA A. SARGENT FREE BED FUND Income for Free Beds in the Women's Department. Bequest of William A. Sargent.		1,042,816.18
SCHOOL OF NURSING SCHOLARSHIP FUND For scholarships at the School of Nursing.	43.28	4,724.97
THE CHARLES L. SCUDDER FUND ..... Income for the Fracture Service. Bequest of Miss Elizabeth M. Garritt.	10,497.94	30,000.00
GEORGE C. AND ANNE H. SHATTUCK FUND ..... Income for music at the General Hospital annually on Christmas Day and Easter Sunday. Surplus income may be used for music on other days, including radio. Gift of Dr. Frederick C. Shattuck.	830.70	2,000.00
THE TERRY SHUMAN MEMORIAL FUND Income for additions to the Library of the Neurology Department of books on research, periodicals, reports or publications, etc.	–41.14	1,270.10
EMMA H. SLADE FUND ..... For any Hospital purpose, but preferably to provide particularly for those in the middle ranks of life who need such care.		10,195.20
SOCIAL SERVICE FUND ..... Income for Social Service.		111,015.15
THE CHARLES CHESLEY SPRINGER FUND "Income for the relief of soldiers, sailors or marines who have been in the military service of the United States and who are residents of Massachusetts, and for the relief of their families. If at any time there should not be any soldiers, sailors, marines or their families requiring such relief, the income may be applied to any of the purposes of the Hospital." Bequest of Miss Mary W. Springer.		345,020.58

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
STAFF MEMORIAL FUND Income to be expended by direction of the General Executive Committee. Sundry Gifts.	1,129.39	3,811.00
SURGICAL INSTRUMENT FUND Income for special surgical instruments. Gift of J. Arthur Beebe ..... $5,000.00 Sundry Gifts 1,475.00	180.96	6,475.00
GEORGE N. TALBOT FUND Income for Children's Medical Department as directed by Chief of Service. Bequest of George N. Talbot and Gifts of Dr. Fritz B. Talbot.	306.92	9,240.78
MRS. NATHANIEL THAYER FUND Income to be used "preferably for the Social Service Department."		10,000.00
ANNIE A. LONGFELLOW THORP MEMORIAL FUND Income for Warren Library. Sundry Gifts.	2,478.40	3,450.00
THYROID LABORATORY FUND Income only for the Thyroid Laboratory.	4.51	1,770.43
TRAINING SCHOOL FOR NURSES FUND Income for Training School for Nurses. Sundry Gifts and Bequests.		40,037.92
TREADWELL LIBRARY FUND Income for the Treadwell Library. Bequest of Dr. J. G. Treadwell $5,000.00 Sundry Gifts and Bequests 2,555.00	267.52	7,555.00
LAWRENCE TUCKER FUND So far as expedient for the treatment and alleviation of venereal diseases, and otherwise for the general purposes of the Hospital.		429,753.01
UROLOGICAL PERIODICALS FUND Income for purchase of urological periodicals for Staff Room of Urological Ward. Gift of Dr. Channing S. Swan.	370.65	1,000.00
FRANCES KNOWLES WARREN FUND Income for the General Purposes of the Hospital; principal available in emergency. Bequest of Mrs. George E. Warren.		30,000.00
WARREN LIBRARY FUND Income for books for patients. Sundry Gifts and Bequest.	1,786.90	5,067.19
DEPENDENCE S. AND WALTER B. WATERMAN FUND "Income to be applied to the care of those who can pay something but not all." Bequest of Walter Bowen Waterman.		134,573.62

GENERAL HOSPITAL FUNDS (Continued)

	Income	Principal
GEORGE ROBERT WHITE FUND		4,119,730.30
To be held as a permanent fund to be known as the George Robert White Fund, the income only to be used first for the maintenance and equipment of the George Robert White Memorial building and second for the general purposes of the Hospital. Bequest of Mrs. Harriet J. Bradbury		
GEORGE ROBERT WHITE FUND		100,000.00
"Income for development or maintenance of a department for treatment of diseases of the skin." Bequest of George Robert White		
DR. JAMES C. WHITE NEUROSURGICAL FUND		876.59
Income to be added to principal until the fund reaches $5,000; thereafter 50% shall be added until the fund reaches $10,000; and thereafter 25% to $50,000. Income not so added to principal to be used in the interest and promotion of neurosurgery under the direction of Dr. James C. White.		
GEORGE WIGGLESWORTH FUND		57,346.88
Ten per cent of gross income in each year to be added to principal; net income remaining for the general purposes of the Corporation.		
WOODEN LEG FUND	830.27	7,600.00
Income for wooden legs and other devices for diseased and injured legs. Bequest of Nathaniel I. Bowditch $5,000.00 Sundry Gifts 2,600.00		
TEMPORARY FUNDS		
Special Purposes	3,461,118.72	
Endowment Income Undistributed to Funds	243,252.43	
TOTAL GENERAL HOSPITAL FUNDS	$3,802,931.66	$22,621,992.70

BUILDING FUNDS

CLINICS BUILDING FUNDS	$ 414,019.79
150TH ANNIVERSARY FUNDS	1,407,237.82
ORTHOPEDIC RESEARCH LABORATORY FUND	368,507.09
KENNEDY LABORATORIES FUND	486,113.51
STORROW HOUSE CONSTRUCTION FUND	65,000.00
SUNDRY FUNDS	794,255.53
TOTAL BUILDING FUNDS	$3,535,133.74

McLEAN HOSPITAL FUNDS

	Income	Principal
EDWARD STANLEY ABBOT MEMORIAL FUND ..... For scientific investigation at McLean Hospital.	$1,325.79	$ 10,000.00
AMUSEMENT, ENTERTAINMENT OR OCCUPATION FUND ..... Income for amusement, entertainment or occupation of patients. Sundry Gifts and Bequests.		21,135.00
WENTWORTH HIGGINSON BARNEY FUND Income to be spent at the discretion of the Director. Gift of Dr. J. Dellinger Barney. $1,500.00 Income added 258.65	159.47	3,284.54
EMILY H. BOURNE FUND Income for the training of nurses in mental nursing and to aid in the prevention and cure of deafness.	.01	10,000.00
CLINICAL RESEARCH FUND ..... Income for research. Sundry Gifts and Bequests.		86,081.31
THE ISOBEL COLLINS SPECIAL FUND FOR THE LIBRARY OF McLEAN HOSPITAL .. Income for the purchase of books, music, and other things appropriate to the building up of a musical alcove for the library. Gift of Frank W. Kimball.	.02	1,075.90
COWLES-TUTTLE MEMORIAL ART FUND .. Income for Art Room.	2,105.80	5,000.00
SAMUEL ELIOT MEMORIAL CHAPEL FUND For maintenance and operation of Chapel.		10,904.84
FREE BED FUNDS ..... Income for Free Beds. Sundry Gifts and Bequests.		354,937.45
GENERAL FUND ..... For any Hospital purpose.		–649,328.70
INCOME UNRESTRICTED FUNDS ..... Income for any Hospital purpose. Sundry Gifts and Bequests.		171,205.24
ANNABELLA McCRAE SCHOLARSHIP FUND Income for Scholarships for the School of Nursing	1,809.92	4,127.20
WETHERILL FUND ..... The income only to be used for the Wetherill Awards to graduates of the McLean Hospital School of Nursing. Gift of Dr. E. Stanley Abbott.		2,000.00

McLEAN HOSPITAL FUNDS (Continued)

	Income	Principal
MARY JESSIE WILLIS MEMORIAL FUND To establish a free bed in memory of Mary Jessie Willis, to furnish luxuries, comforts and amusements to such insane women patients as may be unable to provide the same for themselves, and generally for the uses of the Hospital. Bequest of Mrs. Frances H. Willis.		24,283.63
BUILDING FUND		472,880.88
TEMPORARY FUNDS		
Special Purposes	287,150.94	
Endowment Income Undistributed to Funds	$ 8,502.25	
TOTAL McLEAN HOSPITAL FUNDS	$301,054.20	$527,587.29

FIDUCIARY FUNDS

BOWDITCH HISTORY FUND For the publication of a history of the Hospital. Bequest of N. I. Bowditch.		$ 2,000.00
BULLARD ANNUITY FUND	$677.93	100,000.00
BETTY DUMAINE FUND To be held until accumulated income plus additions reach $100,000, then one-half of income to be added to principal and balance used for such Hospital purposes as Trustees deem best.		3,461.32
EYEGLASS FUND Income payable to a life interest. Bequest of Frances A. Burnham.		2,282.00
THE AGNES B. FITZGERALD FUND Temporarily payable to a life interest.		4,228.03
FOSTER FAMILY FUND "Income to be used to pay the hospital bills of patients nominated by the donor or his wife. After their decease the power of nomination shall descend in succession to their oldest child living, then grandchild. Thereafter, or in case the line of descent shall cease, the income shall be for the unrestricted uses of the Hospital." Gift of C. H. W. Foster.	7,504.43	15,000.00
MABEL HOVEY HARRIS MEMORIAL FUND "In Memory of Mrs. Henry W. Harris" Income to be used at the discretion of the Ladies' Visiting Committee for the benefit of the Hospital and its patients. Gift of Mr. and Mrs. Edwin S. Webster.		5,375.00
SARAH PROCTOR JOSLIN FUND Income to be expended by the Ladies' Visiting Committee for books and other articles.		1,000.00

FIDUCIARY FUNDS (Continued)

	Income	Principal
MARION LEE LAWRENCE MEMORIAL FUND Income to be administered by the Ladies' Visiting Committee, or by any subcommittee duly authorized by them, for the benefit of the Hospital and its patients. "Given by Her Family and Friends."		$ 10,943.00
FANNIE NEWELL SIMES FUND Income payable to a life interest. Gift of Miss Olive Simes.		20,000.00
MASSACHUSETTS GENERAL HOSPITAL SCHOOL OF NURSING ENDOWMENT FUND Income to be used as directed by vote of the Committee created under the Deed of Gift.		293,561.92
ANNIE NORTON WARD FUND For charitable purposes connected with the Hospital pursuant to the vote of the Ladies' Visiting Committee.		1,000.00
WARREN PRIZE FUND Income for a triennial prize. Bequest of Dr. J. Mason Warren.	3,259.72	11,889.84
KATHARYN HOYT WATSON FUND For use of the Ladies' Visiting Committee.		1,000.00
Suspense and Special Funds		3,303.23
TOTAL FIDUCIARY FUNDS	$11,442.08	$475,044.34

SUMMARY

Principal Funds	$27,223,263.41
Temporary Funds	4,115,427.94
Funds Invested in Plant	19,548,499.77
Director's Accounts	5,486,927.76
	$56,374,118.88
Gain	209,435.49
Funds	$56,583,554.37

Examination of Accounts

January 18, 1962

To the Trustees
The Massachusetts General Hospital
45 Milk Street
Boston, Massachusetts

Sirs:

We have examined the balance sheet of The Massachussetts General Hospital as at September 30, 1961 and the related income statements of the General Hospital and McLean Hospital for the period ended October 1, 1961 (52 weeks). Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In furtherance of the program undertaken in the prior fiscal year in connection with the restatement of the hospital's plant accounts to reflect actual costs of assets and accumulated depreciation thereon based on such costs and their estimated useful lives, the hospital has added to its funds invested in plant an aggregate amount of $1,642,247.64, comprised of the depreciated cost of equipment provided by restricted funds (principally for research) in prior years ($1,107,439.55) and the cost of similar additions during the current year ($534,808.09). The provision for depreciation for the year ended September 30, 1961 is greater by approximately $164,400 as a consequence of the foregoing additions.

Under the terms of pension plans adopted by the hospital, the hospital's portion of benefits payable to employees compensated from general operating funds of the hospital will be charged against operations as such benefits are paid. No provision has been made in the accompanying financial statements for the amount of the hospital's liability at September 30, 1961, for service benefits accruing to employees paid from general operating funds.

Subject to the explanations noted above, in our opinion, the accompanying balance sheet and related income statements, with their supporting exhibits, present fairly the financial position of The Massachusetts General Hospital at September 30, 1961 and the results of its operations for the period ended at October 1, 1961 (52 weeks) in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding period except for the change in depreciation policy described above, which we approve.

We have made a test check of the charges to income funds for special purposes for the year ended September 30, 1961 (including income arising from principal funds), in respect of the General Hospital and McLean Hospital funds. Based upon such examination and our review of internal control maintained in relation to funds, it is our opinion that charges made against the above-mentioned funds were properly chargeable thereto.

Patterson, Teele & Dennis

GIFTS AND BEQUESTS 1960-1961

GENERAL FUND

FOR ANY HOSPITAL PURPOSE		
Bequests	$ 252,877.92	
Gifts	63,809.49	$ 316,687.41

150TH ANNIVERSARY FUNDS

Gifts	$1,802,805.78

GENERAL HOSPITAL FUNDS

Fund No.			
1070	JOSEPH C. AUB FUND		
	Gift		100.00
1240	CANCER RESEARCH ENDOWMENT FUND		
	Bequest of E. Frank Leighton	$ 190,832.88	
	Bequest of Mary S. Rousmaniere	1,433.42	
	In Memory of J. Lothrop Motley	160.00	
	In Memory of Dorothy D. Morgan	455.00	192,881.30
1245	IDA M. CANNON MEMORIAL FUND		
	Gifts		5,335.90
1290	MGH ENDOWMENT FUND FOR STUDY OF CHRONIC DISEASES		
	Gifts		10,635.00
1335	THE LORETTA JOY CUMMINS FUND		
	Bequest of Loretta Joy Cummins		4,143.38
1410	DR. WALTER JAMES DODD MEMORIAL FUND		
	Gift		100.00
1450	EDWARDS MEMORIAL FUND		
	Bequest of Mrs. Ernest Amory Codman		15,000.00
1580	GENERAL SURGERY FUND		
	Gifts		210.00
1710	INCOME UNRESTRICTED FUNDS		
	Samuel Appleton Fund		
	Bequest of Miss Maud E. Appleton	$ 704.14	
	Henry P. Kendall Fund		
	Bequest of Henry P. Kendall	50,000.00	50,704.14
1768	CHESTER MORSE JONES HOUSE STAFF EDUCATIONAL FUND		
	Gifts		$ 310.00
1770	DANIEL FISKE JONES MEMORIAL FUND		
	Gift		50.00
1800	MARGERY AMORY KETCHUM MEMORIAL FUND		
	Gifts		3,010.00

1820	MALLINCKRODT — WARD FOUR FUND		
	Gift		56,475.00
1870	JAMES HOWARD MEANS FUND		
	Gift		100.00
1950	THE MIXTER FUND		
	Gifts		1,255.63
2130	OUT-PATIENT DEPARTMENT FUND		
	Gift		10.00
2180	PHILLIPS HOUSE FUND		
	Gift		500.00
2350	ELSIE M. ROBBINS SOCIAL SERVICE FUND		
	Gift		27.65
2401	MGH, SCHOOL OF NURSING SCHOLARSHIP FUND		
	In Memory of Mrs. Gibbons	$ 10.00	
	Gifts	481.00	491.00
2440	TERRY SHUMAN MEMORIAL FUND		
	Gift		50.00
2600	THE THYROID LABORATORY FUND		
	Gifts		1,780.56
2750	GEORGE ROBERT WHITE FUND		
	Bequest of Mrs. Harriet J. Bradbury		984,500.23
2815	UNRESTRICTED FREE BED FUNDS		
	Bequest of Arthur W. Moors	$ 500.00	
	Bequest of Henry Saltonstall	8,302.29	
	Gift	250.00	9,052.29
2869	SERIAH STEVENS FREE BED FUND		
	Bequest of Ruey B. Stevens		18.54
2910	CONVALESCENT HOSPITAL FUND		
	Gift of trustees u/w Helen O. Storrow ..		3,600.00
			$1,340,340.62

BUILDING FUNDS

AMBULATORY CLINIC BUILDING FUND			
Gifts			$ 21.00
GENERAL BUILDING FUND			
Gifts			12,504.31
BURNHAM 7 CONSTRUCTION			
Gift		$ 2.00	
Public Health Service Grant		184,106.00	184,108.00

NANCY MAUDE FRASER MEMORIAL FUND		
Gifts		600.00
ARMIN KLEIN MEMORIAL FUND		
Gifts		1,450.00
ORTHOPEDIC RESEARCH BUILDING FUND		
Gifts		4,500.00
SCHOOL OF NURSING BUILDING FUND		
Gift		10.00
M. N. SMITH-PETERSEN LABORATORY		
Gift		500.00
THYROID LABORATORY		
Gifts	$ 5,500.00	
Public Health Service Grant	43,381.00	48,881.00
		$252,574.31

McLEAN HOSPITAL FUNDS

GENERAL FUND		
Bequest of Ruth I. Barr		$ 1,000.00
McLEAN BUILDING FUNDS		
Gifts	$ 1,718.44	
Public Health Service Grants	139,004.00	141,722.44
		$ 142,722.44

FIDUCIARY FUNDS

MGH SCHOOL OF NURSING ENDOWMENT FUNDS	
Gifts	$ 75.00
TOTAL PRINCIPAL FUNDS	$3,855,205.56

INCOME FUNDS

General Hospital Funds

Treasurer's Funds

ANNUAL FREE BED FUND			
Mrs. Taylor Black		$ 1,000.00	
Mrs. Richard W. Hale		100.00	
Mr. and Mrs. Ralph Lowell		200.00	
In Memory of			
John Lowell	**1816-1820**		
John Amory Lowell	**1843-1851**		
John Lowell	**1856-1870**		
John Lowell	**1910-1922**		
Trustees of The Massachusetts General Hospital			
The 1916 Sewing Circle		100.00	
St. Paul's Episcopal Church		200.00	
United Community Services		1,550.00	$ 3,150.00
CURRENT EXPENSE FUND			
Bequest of Miss Caroline E. Chickering		$ 11,009.88	
Committee of The Permanent Charity Fund		27,000.00	
Mrs. Elisha Flagg		100.00	
Bequest of Mr. James O. Graves		112.25	
Mr. Claude E Patch		10.00	
Mr. Hugh Whitney		100.00	
United Community Services		213,731.00	252,063.13
THE ARTHUR W. ALLEN MEMORIAL FUND			
Gift			6,776.63
MRS. LARZ ANDERSON FUND			
Bequest of Mrs. Larz (Isabel) Anderson			30,000.00
THE H. ROWAN GAITHER, JR. MEMORIAL FUND			
Gifts			57,075.00
KAYPE FUND			
Gifts			4,000.00
CHARLES A. McDONALD BOOK FUND			
Bequest of Charles A. McDonald			1,000.00
MISCELLANEOUS FUNDS			
Chester M. Jones Lecture Fund		$ 25.00	
Bequest of Miss Elizabeth Tilton		900,000.00	
For Miscellaneous Purposes		2,000.00	902,025.00
DR. WILLIAM H. SMITH MEMORIAL FUND			
Gifts			2,074.23
THE JAMES C. WHITE PORTRAIT FUND			
Gifts			2,475.09
			$1,260,639.08

INCOME FUNDS

General Hospital Funds

Funds For Special Purposes

Bequests		$ 10,842.96
Gifts		720,919.99
Grants—Government	$3,470,344.69	
Foundations	71,736.85	3,542,081.54
		$4,273,844.49

McLean Hospital Funds

CURRENT EXPENSE		
Gifts		$ 75.00
DIRECTOR'S FUND		
Gifts		575.00
TEMPORARY INCOME		
Gifts		6,685.00
Grants—Government	$ 455,422.00	
Foundations	22,500.00	477,922.00
		$485,257.00
TOTAL INCOME FUNDS		$6,019,740.57
TOTAL PRINCIPAL FUNDS	$3,855,205.56	
TOTAL INCOME FUNDS	6,019,740.57	$9,874,946.13

Henry R. Guild
Treasurer

ONE HUNDRED AND FORTY-FOURTH

ANNUAL REPORT

OF THE

McLEAN HOSPITAL

A DIVISION OF THE

MASSACHUSETTS GENERAL HOSPITAL

1961

BELMONT

MASSACHUSETTS

Officers of the McLean Hospital 1962

President
Phillips Ketchum

Vice-President
Francis C. Gray

Treasurer
Henry R. Guild

Secretary and Assistant Treasurer
George S. Weld

Trustees

1935 Francis C. Gray, Chairman, 10 Post Office Square
1928 Phillips Ketchum, 294 Washington Street
1939 Henry R. Guild, 294 Washington Street
1940 Ralph Lowell, 100 Franklin Street
1941 *Rt. Rev. Robert P. Barry, 71 Warner Street, West Somerville
1943 Lloyd D. Brace, 67 Milk Street
1947 John E. Lawrence, 177 Milk Street
1947 *Francis O. Schmitt, Ph.D., Department of Biology Massachusetts Institute of Technology, Cambridge
1955 Philip H. Theopold, 294 Washington Street
1958 *Sidney R. Rabb, 393 D Street, South Boston
1961 *Elliot L. Richardson, 73 Tremont Street
1962 Francis H. Burr, 50 Federal Street

Associate Trustee

1962 Francis W. Hatch, 462 Boylston Street

Other Members of the Corporation

Mrs. Frank G. Allen
Philip K. Allen
John S. Ames, Jr.
Robert Amory, Jr.
O. Kelley Anderson
Mrs. David B. Arnold
G. Storer Baldwin
Mrs. James T. Baldwin
Abram Berkowitz
Harry J. Blake
Gerald W. Blakely, Jr.
Mrs. Henry M. Bliss
Mrs. Lloyd D. Brace
J. Howard Bushway
Mrs. Charles C. Cabot
Thomas D. Cabot
John P. Chase
Theodore Chase
Frederic C. Church
William H. Claflin
Charles E. Cotting
Mrs. Richard E. Danielson
Miss Betty Dumaine
Robert R. Duncan
Charles J. Dunn
William Ehrlich
Nathaniel W. Faxon, M.D.
Mrs. Gardiner H. Fiske

*Appointed by the Governor of the Commonwealth

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Alvan T. Fuller, Jr.
Mrs. Francis C. Gray
Edward B. Hanify
Roy J. Heffernan, M.D.
Ernest Henderson
Harold D. Hodgkinson
Harvey P. Hood
Arnold W. Hunnewell
Donald J. Hurley
William T. Kemble
The Honorable John F. Kennedy
Mrs. Wheaton Kittredge, Jr.
Henry A. Laughlin
Alfred L. Loomis
Joseph W. Lund
Arthur T. Lyman
Francis P. McCarthy, M.D.
Leland F. McKittrick, M.D.
James Howard Means, M.D.
James Jackson Minot
George F. Mumford
George Olmsted, Jr.
James H. Orr
Miss Amelia Peabody
Mrs. Sumner Pingree
William M. Rand
Miss Anna P. Revere
Dwight P. Robinson, Jr.
Horatio Rogers, M.D.
Joseph Santosuosso, M.D.
Rt. Rev. Henry K. Sherrill
Alan Steinert
Mrs. Abbot Stevens
Raymond S. Stevens
John O. Stubbs
Thomas C. Thacher
Mrs. Augustus Thorndike
Richard K. Thorndike
Samuel J. Tomasello
John B. Vernaglia, M.D.
F. Frank Vorenberg
Mrs. Edwin S. Webster
Edward A. Weeks, Jr.
Paul D. White, M.D.

McLEAN HOSPITAL COMMITTEE

Ralph Lowell, *Chairman*

Rt. Rev. Robert P. Barry

Sidney R. Rabb

ADMINISTRATION

Psychiatrist in Chief
Alfred H. Stanton, M.D.

Administrator
Joseph T. Prekup, M.P.H., (M) A.C.H.A.

Assistant Administrator
Henry J. Langevin, M.S. Psych. Nurs., M.S.H.A., (M) A.C.H.A.

DIRECTORS OF DEPARTMENTS

Accounting
Thomas J. Burley, Comptroller

Activity Therapies
Ada A. Roth, B.S., R.P.T.

Dietetics and Food Service
Charlotte L. Donaldson, B.A., B.S.

Executive Assistant
Willa F. Pasho, B.S. (Administration)

Grounds and Transportation
Howard R. Gallant

Housekeeping and Laundry
Harold F. Smith

Medical Records
Jean R. Poor, R.R.L.

Personnel
John E. Lowe, B.B.A.

Pharmacy
George R. Zager, Reg. Ph., M.S.

Plant and Operations
John B. Larson, B.S.
Milton J. MacKinnon, Assistant

Psychiatric Social Work
Golda Edinburg, M.S.S.S.

Psychology
Irene R. Pierce, Ph.D.

Purchasing
Alexander Armour

Director of School of Nursing and Nursing Service
Margaret C. Tibbetts, R.N., B.S. in Nurs. Ed.

Assistant Directors of Nursing Service
George B. Durham, R.N., A.A., Th.M., B.S.
Daniel H. Lennox, R.N., B.S. in Nursing
Americo A. Zerneri, R.N., B.S.

Assistant Director of School of Nursing
Mildred C. Makin, R.N., B.S. in Nurs. Ed., Ed.M.

McLEAN HOSPITAL STAFF

Consulting Staff

James B. Ayer, M.D., *Neurologist*
Stanley Cobb, M.D., *Psychiatrist*
Harry C. Solomon, M.D., *Psychiatrist*
Paul D. White, M.D., *Cardiologist*

Psychiatrist in Chief

Alfred H. Stanton, M.D.

Associate Psychiatrist in Chief

Paul M. Howard, M.D.

Psychiatrists

Erich Lindemann, M.D.
Elizabeth R. Zetzel, M.D.

Attending Psychiatrists

Morris H. Adler, M.D.
Martin A. Berezin, M.D.
William F. Murphy, M.D.
Samuel Silverman, M.D.
Henry Wermer, M.D.

Associate Psychiatrists

Edward M. Daniels, M.D.
Francis Laurent A. de Marneffe, M.D.
Stanley H. Eldred, M.D.
Merton J. Kahne, M.D.
Maria Lorenz, M.D.

Associate Attending Psychiatrists

P. Stefan Kraus, M.D.
Norman E. Zinberg, M.D.

Assistant Psychiatrists

Arthur J. Cain, M.D.
John G. Clark, Jr., M.D.
Dorr F. Hallenbeck, Jr., M.D.
James A. Haycox, M.D.
Egbert H. Mueller, M.D.
Phelps M. Robinson, M.D.
Alan A. Stone, M.D.
Maurice Vanderpol, M.D.
Mark M. Walter, M.D.
Stephen L. Washburn, M.D.

Assistant Attending Psychiatrists

Barbara L. Aeschliman, M.D.
Ruth Beuscher, M.D.
William A. Binstock, M.D.
George Chalpin, M.D.
Mignon C. Chasen, M.D.
Jacob Christ, M.D.
Herbert S. Cline, M.D.
Virginia L. Clower, M.D.
Hadassah S. Daniels, M.D.
William Kornfeld, M.D.
Charles E. Magraw, M.D.
Theodore Sack, M.D.
Harold D. Stalvey, M.D.
William D. Temby, M.D.
Suzanne T. van Amerongon, M.D.
Frederick E. Whiskin, M.D.
Edward L. Zarsky, M.D.

Clinical Assistants in Psychiatry

Lloyd M. Caplan, M.D.
Edwin M. Davidson, M.D.
Henry U. Grunebaum, M.D.
Lee Jackson, M.D.
Melvin M. Kayce, M.D.
Barbara G. Mueller, M.D.
Harry S. Olin, M.D.
Jalna N. Perry, M.D.

Clinical and Research Fellow in Psychiatry

John M. Kuldau, M.D.

Clinical Fellows in Psychiatry

Jane M. Berman, M.D.
Paul R. Dinsmore, M.D.
Gerhart A. Duda, M.D.
Bruce W. Fischberg, M.D.
Jacqueline Gauthier, M.D.
Gordon G. Globus, M.D.
S. Sheila Hafter, M.D.
Eda M. Kahana, M.D.
David G. Satin, M.D.

Resident Psychiatrists

As of January 1, 1962, with subsequent appointments

John H. Backman, M.D.
Kathryn S. Beck, M.D.
Guido Belsasso, M.D.
Joseph H. Brenner, M.D.
Randolph Catlin, Jr., M.D.
Robert M. Chalfin, M.D.
Peter T. Choras, M.D.
Roy M. Coleman, M.D.
Wellington B. Cu, M.D.
Jack Ellenberg, M.D.
Robert W. Farkas, M.D.
Donald J. Fern, M.D.
William H. Goodson, Jr., M.D.
Albert E. Herman, M.D.
Miroslav M. Kovacevich, M.D.
Bernard Levey, M.D.
John B. Livingstone, M.D.
Michael T. McGuire, M.D.
Judith G. Ronat, M.D.
Christopher V. Rowland, Jr., M.D.
Melvyn B. Schupack, M.D.
Richard Sens, M.D.
John S. Strauss, M.D.
Captane P. Thomson, M.D.
Olga S. Wermer, M.D.
Harold W. Williams, Jr., M.D.
Emmett Wilson, Jr., M.D.
Jacob C. Wolterbeek, M.D.

DEPARTMENT OF MEDICINE

Director of Internal Medicine and of Research in Clinical Physiology

Mark D. Altschule, M.D.

Assistant in Medicine

Thomas C. Hall, M.D.

Clinical Assistants in Medicine

Roman W. De Sanctis, M.D.
William A. Hall, M.D.
Paul R. Minton, M.D.

RESEARCH DEPARTMENT

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Jordi Folch-Pi, M.D.

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Rafael Lorente de No, M.D.
Fritz A. Lipmann, M.D.
Donald D. Van Slyke, Ph.D.
Alfred H. Stanton, M.D., *Ex-officio*

Neuropathologist

Alfred Pope, M.D.

Associate Biophysicist

J. David Robertson, M.D.

Associate Neuropathologist
Helen H. Hess, M.D.

Associate Biochemists
George P. Hauser, Ph.D.
Francis N. LeBaron, Ph.D. Marjorie B. Lees, Ph.D.

Assistant Neurologist
Pierre M. Dreyfus, M.D.

Assistant Biochemists
Mudlagiri K. Gaitonde, Ph.D. Ernest T. Pritchard, Ph.D.
Lewis C. Mokrasch, Ph.D. Anne Marie Stoffyn, Ph.D.
Pierre J. Stoffyn, Ph.D.

Research Fellows in Biochemistry
Joseph Dobkin, Ph.D.
Joseph F. Greaney, M.D.
Makoto Matsumoto, Ph.D.

Research Fellows in Neuropathology
Ruth M. Landolt, M.D.
Edward Lewin, M.D.
Eduardo F. Soto, M.D.

DENTAL MEDICINE

Assistant Dental Surgeon
William H. Tingey, Jr., D.M.D.

ANESTHESIA

Acting Anesthetist
F. Harold Brown, M.D.

RADIOLOGY

Roentgenologist
Majic S. Potsaid, M.D.

DEPARTMENT OF SOCIAL SCIENCE

Assistant Sociologist and Chief
Norman W. Bell, Ph.D.

Consultant
Robert N. Rapoport, Ph.D.

Associate Sociologist
Rose L. Coser, Ph.D.

Associate Social Anthropologist
Anne Parsons, Ph.D.

Research Associate in Social Anthropology
Katherine Spencer, Ph.D.

Assistant Social Anthropologist
Donald A. Kennedy, Ph.D.

Assistant Social Scientist
Murray Melbin, Ph.D.

DEPARTMENT OF PSYCHOLOGY

Chief Psychologist
Irene R. Pierce, Ph.D.

Research Associate in Psychology
William F. Soskin, Ph.D.

Consultant in Education
Helen J. Kenney, Ed.D.

Associate Psychologists
Robert D. Schnitzer, Ph.D.
Lewis J. Sherman, Ph.D.

Assistant Psychologist
Richard A. Erle, M.A.

DEPARTMENT OF SOCIAL WORK

Director
Golda M. Edinburg, M.S.S.S.

Supervisors
Hope N. MacDonald, S.M.
Martha M. Norton, M.S.W.

Research Social Worker
Mollie Grob, S.M.

Social Group Worker
(Director of Volunteers)
Jo Ann Glotfelty, M.S.S.S.

Psychiatric Social Workers
M. Suzanne Batchelder, M.S.W.
Harriet Baxter, M.S.S.
Irene M. Daitch, M.S.S.S.
Judith G. Easton, M.S.S.S.

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Mr. John E. Lawrence
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Paul M. Howard, M.D., *Ex-officio*
Miss Margaret C. Tibbetts, *Secretary*

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Assistant Directors of Nursing Service
George B. Durham, R.N., A.A., Th.M., B.S.
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Americo A. Zerneri, R.N., B.S.

Assistant Director of School of Nursing
Midred C. Makin, R.N., B.S. in Nurs. Ed., Ed.M.

Instructors in Psychiatric Nursing
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Martha W. Pride, R.N., A.B., M.N.
Naomi H. Tomney, R.N., B.S.
Teresa A. Whelan, R.N., M.S.

Assistant Instructor in Psychiatric Nursing
Herbert W. Mallinson, R.N.

Instructors in Nursing
Nancy E. Bowker, R.N., S.B.
John J. Grady, Jr., R.N., B.S. in Nursing

Instructor in Sciences
Mary Isabel Newton, B.S., M.A.

Instructor in Science and Pharmacology
Barbara F. Koffsky, R.N.

Instructor in Medical and Surgical Nursing
Genevieve M. Fitzpatrick, R.N., B.S.

Head Nurse, Health and Operating Room
Marilyn Kiley, R.N.

Administrative Assistant
Ruth MacLeod, R.N.

Supervisors
William H. Cummings, R.N.
Katheryne D. Davidson, R.N.
Lavonne E. Davidson, R.N., B.S. in Nurs. Ed.
Paul V. Donnelly, R.N., B.S.
Audrey S. Hurley, R.N.
Virginia B. Ladd, R.N.
Donald J. MacLean, R.N.
Mary E. Pease, R.N., B.S.
John P. Pitcherale, R.N., B.S. in Nurs. Ed.

NURSING SERVICE EDUCATION DEPARTMENT

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Garland K. Lewis, M.N.

Psychiatric Nursing Instructors
Harriet F. DeHoff, R.N., B.S.
Audrey R. Miller, R.N.

UNIT HEADS

Music Director
Homer P. Whitford, D. Music

Physical Therapy
Thomas A. Crapo, R.N., R.P.T.
A. Else Fog, R.P.T.

Libraries
Hector Bossange, M.A.

X-Ray
Herbert A. Davidson

Seamstress
Cretie Harris

Report of the Psychiatrist in Chief

To the Trustees of the Massachusetts General Hospital:

The Report for the Fiscal Year ended October 1, 1961 is respectfully submitted.

ITS 150th year of operation brought two major additions to the McLean Hospital—the completion of the addition to the biological research laboratories and the detailed planning of a new rehabilitation center building, an achievement of the hospital's 150th Anniversary Drive and the first new patient care unit at the hospital for over half a century. Both of these buildings will not only serve to increase the effectiveness of the hospital by adding new areas of competence to its programs, but will also serve to signify the range and depth of its services to the community.

The biophysics program, under the leadership of Dr. J. David Robertson, is described more fully in the Report of the Director of Scientific Research; Dr. Robertson brings to the hospital the capacity for leadership in this significant and very new area of major scientific effort. The expansion of the laboratory, made possible by the joint contributions of The Kresge Foundation and of the Public Health Service, is an appropriate recognition of the international leadership in neurochemistry which the laboratory has furnished increasingly under the direction of Drs. Jordi Folch-Pi and Alfred Pope. The extension of the laboratory will provide necessary space for the other program as well as the biophysical establishment.

The rehabilitation building will encompass many activities now scattered and consequently less effective than they should be. The Day Care program is now based upon the wards discharging the patient from in-patient status and the program cannot admit patients directly from the community because of its scattered staff and centers of patient care. Shop work and educational activities are similarly less effectively patient centered. But most important, the group identity of the patients engaged in the various activities cannot serve fully as the very effective treatment tool it can be in the absence of an identified location and face to face working with others which the new unit will provide. The building will be planned with various facilities of the outside community—bank, post office, lunch counter, recreational,

occupational, and educational facilities available to in-patients and day care patients easily and naturally—and will effectively discourage the development of unnecessary and unhelpful dependent habits which hospitalization often tends to encourage or even to enforce. The unit is planned in a very flexible way having in mind that the whole character of psychiatric hospitalization is changing rapidly, is often determined more by tradition than by rational considerations, and that we may expect continued rapid change in the future. Change is to be expected, not elimination of the psychiatric hospital as is sometimes spoken of for there is no breakthrough in sight which indicates either the possibility or desirability of replacing psychiatric hospitals or treatment centers with general hospitals, units, or private practicing therapists.

The recent report of the Joint Commission on Mental Illness and Health places clear emphasis upon the intensive treatment center as a focal point in any community treatment effort aimed at the core treatment problem of American psychiatry—the large number of most seriously sick psychiatric patients whose chronic disability is avoidable. It is possible to have an open hospital or to achieve a short average period of patient stay by eliminating patients requiring readmission, patients with unfashionable types of illness like drug addiction who may often need either involuntary or longer term treatment, or by other types of selective admission practices. The policy at McLean, following its own tradition and that at the General Hospital, is to take all comers within certain very clear and broad limits, patients older than twelve years of age, psychiatrically ill and able to pay for their own costs; this has been followed in such a way that no patient needs to leave the hospital for financial reasons if the period of hospitalization proves longer than anticipated and his leaving or transfer would prejudice his clinical outcome.

Through this policy, the hospital has somewhat favored admission of those patients with a less immediately promising outlook; it has acted on the basis that a patient cannot be too sick to be taken into a hospital. It has been able, nevertheless, to maintain a relatively short median patient stay of about eleven weeks and, as shown in the report on the patient population, about half of the patients admitted have been acute patients admitted for the first time to a hospital for a psychiatric disorder. Although the number of schizophrenic patients has risen somewhat, the types of illness remain scattered through the major

types of disorder. There is a considerable increase in the proportion of adolescent and immediately post-adolescent patients and a decrease in the patients with disorders of late life. Although the total census, including the day care patients, continued to climb slowly, the rate of discharge was higher and the total census of in-patients declined progressively. A success in the treatment program was not matched by an increase in admissions adequate to avoid serious financial implications.

Under the direction of Dr. Stanley H. Eldred, a research ward devoted to the improvement of techniques of measuring and analyzing the relation of the ward personnel and patients' interactions with clinical manifestations of psychiatric disorder has been created and has proved successful in its scientific objective but entirely compatible with the clinical program; a number of chronically ill patients, hospitalized sometimes for years, were discharged from the ward to the community as a result of considerable improvement. Active research upon the therapeutic process raises the type of ethical problem mentioned by Dr. Mark D. Altschule in his report and calls for the lively and sensitive conscience and scientific ingenuity which has characterized this effort.

The organization of the Arlington House School, under the direction of Dr. Helen J. Kenney, is another therapeutically necessary organization which offers as a bonus a considerable potential for both investigation and for the training of teachers. The school has furnished the chance to continue their education with little interruption to our increasing numbers of high school students who would otherwise have had the effect of interruption of their school careers added to the handicaps more intrinsic to their illness. The school activity is additionally directly supportive of the psychiatric treatment effort itself.

The decline in hospital income arising from the lower census has meant delaying the improvement of the physical plant at the cost of considerable discomfort to patients and nurses; in particular, Bowditch needs a considerable remodeling. Outmoded electric wiring and plumbing are the prominent, but by no means the only, problems in our nineteenth century buildings. Inadequate reading light in the evening, poorly planned wards for current types of practice, inefficient food delivery, and arrangements for medication, all handicap the treatment program or give rise directly to continuing avoidably high costs. During the year, it did prove possible to bring all physically infirm patients down from the second floor to the first where they may be on the

grounds more easily. The power plant is of such an age that it may need replacement at any time. Water supply was increased by tying in to the Belmont supply to a greater extent, giving a greater supply of water for an emergency.

During the year, Dr. Willis H. Bower moved to a post of greater responsibility in Colorado, taking with him the fruit of twelve years' experience at McLean — a loss to the hospital which is balanced by our recognition of the major contribution he can make in his new position. His place was taken very effectively by Dr. Francis Laurent A. de Marneffe. The retirement of Mrs. Robert Homans will be felt particularly strongly because of her long period of service to the nursing school— it is ameliorated only by her accepting an honorary post which we hope and expect will not prove to be an inactive one.

The McLean Hospital Auxiliary, created only last year, was responsible for the first Lucile C. Pitcher Memorial Award for excellence in psychiatric nursing, given this year to Miss Petrea Ann Wessman.

The responsible support of the Trustees and of the friends of the hospital, tangible in the outcome of the 150th Anniversary Drive and intangible in many ways, is especially notable this year with the hospital's moving forward on several fronts vigorously at the same time as a declining in-patient census brought lower income; it is a measure of the vision which is the source of the leadership the hospital has earned during its first 150 years.

ALFRED H. STANTON, M.D

Report of the Administrator

EVEN though 1961 was another year of high deficit operation, the Trustees in recognizing the role of the hospital in the community continued to support expansion of numerous and costly programs.

Of prime importance was the strengthening of the clinical program by the addition of medical, paramedical, and administrative personnel in several departments. The psychiatric and medical staff has been strengthened by the addition of several physicians, and the number of residents was increased by four. Additional funds were provided to formalize an In-Service Education Program for nurses and psychiatric aides; the curriculum in the Hospital School of Nursing was strengthened and additional qualified faculty appointed to support these changes.

The Hospital with the cooperation of the Belmont school authorities developed a formal school curriculum for our adolescent patients. The school officially opened in September with one full-time and several part-time teachers under the direction of Helen J. Kenney, Ed.D. Each teacher meets the academic and training levels required by the local school system. Our adolescent patients can now be hospitalized without interruption of their formal education. The clinical importance of the school to this group of patients is described by Dr. Paul M. Howard in his report.

The McLean Hospital Auxiliary under the direction of its first president, Mrs. Paul M. Howard, was very active during the year. There are now 111 members including 5 life members and one honorary member, Mrs. Ralph Lowell. Several stimulating programs were held with each program directed toward the enlightenment of this group of men and women to the hospital, mental health and the hospital's role in mental illness. The auxiliary has worked hard and has experienced the usual growing pains of any active group. We look forward to their continued success and welcome their activities as an additional asset in explaining the hospital's role in the community.

The Volunteers under the direction of Miss Jo Ann Glotfelty did a commendable job during the year. Forty-six volunteers contributed a total of 3800 hours and worked with or augmented the staff in several hospital areas. This group and their efforts are both helpful and useful, and represent an important component of the hospital environ-

ment. Miss Glotfelty, who is a social group worker, has added several patient-oriented programs and a detailed report of these activities is given in the Social Service Department report.

In addition, there was an increase in general fund expense to support expanding research programs in the Behavioral Sciences. Furthermore, the new addition to the Biochemical Research Building which was completed during the year, will add additional expense to the hospital's operation.

All medical school and teaching hospitals continue to support most research programs in part from patient income. Most granting agencies allow a maximum of 15% of the grant total to cover indirect expenses where in fact, the cost to us in providing these necessary supportive services exceeds 30%. This discrepancy between allowances and costs is a problem common to all teaching and research hospitals.

Additional funds were provided for the establishment of a Day Care Center and a staff including a physician, social worker and nurses who will be employed as soon as practicable.

Salary ranges for several employee groups were changed during the year enabling us to remain fairly competitive in some areas of the labor market. The basic minimum for nurses' salaries was increased $5.00 per week. Although this action was consistent with the pattern of other hospitals in the Greater Boston Area, it actually helped very little in alleviating our nursing shortage. Because we were required to cover these shortages on an over-time basis, the additional payroll cost for this group was $50,000. The total hospital payroll expenses decreased 1% over the previous year, and in order to attract qualified personnel in all areas of the hospital we anticipate that it will be necessary to upgrade salaries in other areas next year. McLean employees and staff now enjoy the benefits of a more liberal sick-leave policy which permits personnel and staff to accumulate up to 50 days. This change is consistent with the policy for the General Hospital personnel.

These few illustrations of a dynamic and changing organization represent but a few of the many facets of the hospital's activities and programs. They are costly but necessary if McLean is to continue a leader in the field of mental health. Our role is diverse, difficult and complex. Psychiatric concepts are changing more rapidly than at any time during our entire 150 years of existence. We must be in a position to carry out our task in caring for the mentally ill. In order to accomplish this purpose we must continue to offer high level clinical service

to our patients; make available educational and training opportunities for physicians, nurses, psychologists, social workers and other disciplines; offer opportunities for research workers in allied fields to carry out their work, and do everything possible to inform and enlighten the community about mental illness and mental health.

These activities and accomplishments were developed and programmed with an austere approach necessitating a reduction of personnel in some departments to reduce operating expenses. The reserve for Improvement and Alterations was reduced from $91,000 to $51,000. The budgeted deficit of $205,000 was reduced to $86,000. This was due to several factors which include: Increased income in the amount of $85,000 from Day Care, psychotherapy, special nursing, and income from research overhead. Free service was reduced by $55,000 for the year, and an additional decrease of $30,000 in supply expense combined to make the fiscal year much better than the forecast.

One of the most significant developments of the year was the approval by the Trustees of the expenditure of $870,000 to construct a Rehabilitation Center. These funds were made available on a 40-60 basis from the federal government and proceeds from the 150th Anniversary Fund Drive. The prospect of a new patient building generated a great deal of interest and enthusiasm on the part of the staff and patients since this will be the first major building to be constructed as a patient facility in approximately sixty years.

The concept of a rehabilitation center for resocialization of psychiatric patients and their reintegration into the community is a fairly recent concept in the treatment of psychiatric patients. The rehabilitation facility (which to the best of our knowledge has no prototype) will contain classrooms, pre-vocational training areas, a Day Care center (including a separate area for elderly day care patients), occupational and recreational therapy, and music therapy. In addition, the building will contain a "Village Green" having as components a coffee shop, barber shop, beauty salon, bank, post office, store, meeting rooms and library. The combination of these facilities along with the rest of the hospital's physical and staff resources will greatly increase the effectiveness of rehabilitative services presently available. This building will make possible a more effective treatment program for those patients who move from an in-patient to a Day Care status as a transitional rehabilitative move toward full existence in the community. Another group of individuals in need of skilled psychiatric support and

treatment will be able to receive it, without the necessity of completely severing their community ties. We plan to admit a few of this group of patients as day-care patients during the coming year. Construction is expected to begin late next fall and will be completed in the summer of 1962. The new rehabilitation center represents the first step in making a major improvement in the hospital's physical plant. The Administrator's reports of previous years describe in detail our many inadequacies because of obsolete buildings.

Our large deficits are still directly related to the extremely high cost of plant operation and maintenance. We are currently spending 20% of our general fund budget for this purpose, and more realistically we should be spending half that amount. In addition, countless hours of valuable staff time are inefficiently utilized because of poorly arranged facilities. The master plan, now partially completed, must be developed to its completion without haste and every possible effort made to secure funds for additional new construction.

During the year sufficient improvements were made to the Proctor House whereby it was possible to move all elderly non-ambulatory patients to the ground floor area. Modern security screens were purchased and installed on several wards at considerable expense. Numerous other projects were completed by the Maintenance and Grounds departments which made possible more efficient use of space by patients, personnel and various departments. Although the 1961-1962 budget has no provision for Improvements and Alterations other than routine maintenance, it is essential that funds become available for major renovations to Bowditch. This building is currently used to house acutely ill male patients and urgently requires attention.

In May the hospital underwent an inspection by a field inspector of the Joint Commission on Accreditation of Hospitals. Full accreditation was granted for only one year. We must achieve accreditation for three years when a subsequent visitation is made in the Spring of 1962. Several major recommendations of the Joint Commission on Accreditation of Hospitals included the development of a formal and rehearsed disaster plan. A Committee was appointed and a plan started which will be completed and rehearsed by next spring. We were required to make changes in our emergency lighting system and funds were authorized for this purpose. Completion of this work is expected next spring. Other major recommendations were the development of written trustee and medical staff by-laws and medical records. By-

laws have been written and the Medical Records Committee actively is pursuing problems related to medical records.

Mr. Burton N. Sears resigned as Assistant Administrator to accept an administrator's post in Pennsylvania. Dr. Willis H. Bower resigned to accept the position of Superintendent at Colorado State Hospital. During his 12 years at McLean he served as a resident physician, became Chief of Women's Service, a post held for 7 years and worked in Medical-Administrative affairs for 4 years. Both men did a commendable job, and we wish them success in their new positions.

Each year as the Annual Report is written, the complexities, difficulties and achievements of the hospital become more apparent. It is only with the combined efforts of many dedicated and hard-working persons that the achievement of the hospital goals is possible. I again wish to express my appreciation to all department heads, staff and personnel, who, through their untiring efforts, help meet the varied demands in providing service to the hospital and to all the patients that the hospital is privileged to serve.

JOSEPH T. PREKUP
Administrator

McLean Hospital

BALANCE SHEET

October 1, 1961
(End of Period No. 13)

ASSETS:			
Cash			$46,078.74
Accounts Receivable		695,713.74	
Less Allowance For Doubtful Accounts		43,644.35	652,069.39
Inventories:			
Coffee Shoppe		2,069.06	
Dietary		1,983.69	
Maintenance		27,217.32	
Pharmacy		10,003.77	
Sewing Room		4,888.03	
Storeroom		17,744.01	
Total Inventories			63,905.88
TOTAL ASSETS			$762,054.01
LIABILITIES:			
Accounts Payable		9,703.01	
Reserve For Rate Reductions		4,843.17	
Reserve For Special Nursing		1,224.24	
Reserve For Improvements and Alterations		49,881.30	
Fiduciary Exchange Accounts		39,773.38	
Total Liabilities			105,425.10
Treasurer's Equity—October 3, 1960		475,735.30	
Add Cash From Treasurer		800,000.00	
		1,275,735.30	
Less Operating Deficit	$126,474.51		
Research Expenses	492,631.88	619,106.39	
Treasurer's Equity October 1, 1961			656,628.91
Total Liabilities and Treasurer's Equity			$762,054.01

McLean Hospital

CUMULATIVE OPERATING STATEMENT

	Current Year Period #1 Through #13 10/3/60 10/1/61	Previous Year Period #1 Through #13 9/28/59 10/2/60
Patient Days	70,054	77,962
Average Daily Census	190	210
Percent of Occupancy (Capacity 266 Beds)	71	79
Income:		
Routine Income—Room and Care	$2,692,700.33	$2,911,893.00
Income From Day Care and Out Patients	30,444.50	22,466.25
Other Patient Income	324,968.37	321,529.84
Other Non-Patient Income	188,493.62	137,011.76
Total Operating Income	$3,236,606.82	$3,392,900.85
Deductions From Income:		
Free Service—Room and Care	$259,575.42	$356,142.00
Courtesy Allowance	23,748.00	25,462.00
Free Service—Special Nursing	6,770.76	7,690.71
Free Service—Escort Nursing	74.58	37.38
Provision For Doubtful Accounts	39,999.00	15,002.00
Provision For Rate Reductions	6,994.00	7,007.00
Total Deduction From Income	$337,161.76	$411,341.09
Net Operating Income:	$2,899,445.06	$2,981,559.76
Expenses:		
Salaries and Wages	$2,088,928.97	$2,099,011.21
Supplies and Other Expenses	907,692.20	997,767.33
Real Estate Taxes	29,298.40	29,298.40
Total Expenses	$3,025,919.57	$3,126,076.94
Net Operating (Deficit):	($126,474.51)	($144,517.18)
Treasurer's Income:	$56,310.98	$52,269.00
Less: Treasurer's Expenses		
Insurance	8,449.72	7,266.60
Corporation	7,196.40	6,580.09
Net Treasurer's Income	$40,664.86	$38,422.31
NET DEFICIT	($85,809.65)	($106,094.87)

Report of the Clinical Service

REPORT of the Clinical Service of McLean Hospital will also briefly refer to its alliance with the programs of teaching and research and will depict the staff and patients in action and thought towards mental health. Descriptions of staff usually describe departments while remarks about patients incline towards statistics of their illnesses and improvements. But in the tradition of the hospital for one hundred and fifty years, beginning with a system of "moral management" in the 1820's, our therapeutic force has been mainly in the actions and thoughts affecting interpersonal relationships. Elaboration and precision as to these concepts is now being afforded also, by sociology and psychology, and real assistance is being brought to us from biological and physiological science.

Although intensive psychotherapy is the most influential of our treatments its effectiveness is made much greater by the hospital's design for medical management of the patient. Central in this management is the system of Clinical Administration whereby senior physicians in charge of small groups of staff and patients, with authority and responsibility extensively delegated from the Psychiatrist in Chief, try to work appropriately with each patient and group. Action and thought is important from all — physicians, nurses, other personnel and patients. The much discussed question of hospital size and its effect on illness is solved by these responsive small groups of about twenty-five patients and their own attached personnel with a flexibility impossible in a larger or more hierarchal design. McLean is fortunate clinically, if not financially, to have patients architecturally housed in separated hall units of moderate size so that no patient is either isolated or lost in the crowd. Within these units there has been in the past year a great elaboration of group activities and meetings so that now most halls are having meetings once to several times a week — an effect we have sought for some years. Although these are individually managed units they are not closed groups but rather open to each other and somewhat to the outside community. The clinical organization of the hospital was given a review at the end of the year by a special committee which for the most part agreed to the clinical administrative system as being the most responsive to patients; but there was recommendation that having special halls for admission of patients was producing

too much disturbance of relationships by ensuing transfer away from the hall.

Psychotherapy has been the principal interest of the staff for twenty years and more, but has expanded during the last five. At the end of the year there were seventy-nine patients in psychotherapy (of these fifty-nine were seen three or more times a week). Also it is known that at least one hundred and five of the patients who had been discharged during the year remained in psychotherapy. Thus hospitalization is aimed at more than stop-gap measures; rather it is aimed at maintaining gains and continuing work towards adaptive behavior after the patient leaves the hospital. This is a strong indicator of the success of the hospital in persuading patients toward a serious program of treatment which they did not drop as they left the hospital gate. Many patients are recommended for psychotherapy here who would be considered too difficult by many physicians, but responses have been gratifying. Statistical summary is impractical but a few facets may be suggested from cases: a boy, sixteen, in studies for years because of rebellious feelings is enabled to develop a willingness and working attitudes toward studies in the hospital school. Or an increasingly isolated woman of fifty-three comes in touch again with capacities for effort and friendship she had last experienced in her teens. An anxious business man, frightened by delusions of his own extinction, regains relaxation and executive ability. A drug habitue finds his anodyne superfluous when he develops more wholesome and less brittle feelings. A thirty-eight year old man who for years fractured most social relationships to favor special routinized preoccupations gradually sees the narrowness of his ways and reaches out more responsively and realistically. These effects of psychotherapy in the hospital milieu do not bring paralyzing attitudes but allow an unfolding of the possibilities of these people.

Broad outlines of care and specific case descriptions leave unspecified the operational methods of the hospital, but these are intricate and often left flexible so that only some references are here given. There is a universal expectation of human responsivity from all staff, and indeed from patients. All types of mental illness are accepted without rejection or excessive segregation of the very ill patient. There is a large staff with many intercommunicating specialties so that the largest element in patient care is people. Considerable care is taken in admission to the hospital in the hope that we can avoid some of the malevolent effects of institutionalization. Once a patient is admitted,

there begins an extensive psychiatric study from many points of view (medical, sociological, psychological, psychiatric) with long observations as to historical development. There are staff meetings as to diagnosis, prediction, and treatment, with emphasis on insight and maturation of the patient by a program. There is the creation of a personalized social milieu with a broad range of individual and group routines and creative activities.

There is an analysis of the effect of milieu and psychotherapy as these develop and a constant attempt to avoid those aspects which conceal or perpetuate the illness. Much initiative is left to the patient. There is provision of care and protection balanced with self-care and self-responsibility, both courses involving risks. There is close association and work with family and concern for the financial status and occupational interests of the patient. Long term care is not avoided if it is better, and short term care is thrust on many whose symptoms passively attempt to prolong their stay in the hospital. The hospital takes great pride in its capacity to work with and discharge patients previously considered chronic. Partial care in the hospital is being developed with day care, night care, and jobs in and out of the hospital. School is provided with High School credit for the young, and some study groups for the older patients. There is careful medical care and the use of drugs as indicated. Volunteers help bring in community interests and the Auxiliary is planning support in these ventures. The clinical staff is in a continual state of intercommunication, exchange of judgment, development of consensus, and formulation of new procedures.

Changes in the Clinical Staff of the hospital included the resignation of Dr. Willis H. Bower as Associate Psychiatrist after a valuable service of many years, and the appointment of Dr. Francis L. A. de Marneffe to assume the duties of that position. New to the clinical staff are Dr. Martin A. Berezin, Dr. Paul R. Minton, and Dr. Barbara L. Aeschliman.

The residency program has continued to expand as the hospital enlarges its focus as a training center. A majority of our residents have gone on to academic hospital or research careers in psychiatry. The program currently includes fourteen residents and two clinical fellows. To broaden our training program residents are affiliated with other institutions so as to permit specialized training in out-patient therapy and neurology. Many residents now take advantage of these

affiliations. The residency training program attempts to fulfill the individual resident's career needs, whether he is to remain at McLean or not. To accomplish this Dr. Merton J. Kahne has worked closely with the directors of residency education at other institutions. During the past year we had seventy-eight inquiries regarding our residency program, forty-one completed applications, and eight new residents were accepted for training.

Whereas the emphasis in teaching Harvard Medical students used to be on clinical experience, and later was in increasing numbers of conferences with staff members, under the reorganization of Dr. Elizabeth Zetzel there has been an improved combination of didactic and clinical experiences.

The research project "Social and Individual Systems in Schizophrenia" (Drs. Eldred, Bell and Sherman) has completed its period of data collecting. Exploitation of the extensive research materials will require another year of both qualitative and electronic computer analysis. Another subsidiary project, "Group Administration," has been started. In addition to testing hypotheses concerning social, psychological and physical variables, the program seeks to show interrelations between these variables with the aim of defining on a scientific basis the principles of the "therapeutic" milieu.

The admission of sixty-one patients under the age of twenty-one during the year (many of them for long term stay of many months) brought emphasis to a long-left need for occupying these searching young patients productively. This was necessary not only as a part of their therapy but to avoid the waste of important life time during a necessarily prolonged hospitalization. The "natural work" of these youngsters is school, although this is a task at which most of them have been having severe difficulties. The Arlington Building was opened in September for regular High School classes affiliated for credit with the Belmont High School. Four experienced teachers started regular academic instructions to a beginning class of fifteen students. This report only covers the start of this School which seems very important and gratifying, and it must be said that we have been impressed with the readiness of these students to accept and take advantage of this opportunity for growth. The school attempts to maintain as much as possible a regular pedagogic atmosphere. Helen J. Kenney, Ed.D., has become the educational consultant and does active teaching.

Another area of effort with the young patients, aside from regular

psychotherapy and Activities Therapies, has been social group work involving them in the interesting Young Adult Lounge, The Girls' Club and the Jazz Club. The success of these efforts indicates the need for expanded work to enrich the hospital community. There is a contrary philosophy which would deny the hospital patient much social expression and would emphasize psychological insight.

Our solution is to try to examine each patient's adjustment to enhance sublimation but reduce social distraction or "acting out". Most patients have already been exposed to more social pressures than they can digest so that individual work is necessary. Of course the bulk of the patient activities is carried along under the Activity Therapies department which has enthusiastically expanded and intensified its doings this year.

Other patient group and activity interests are carried forward increasingly under the aegis of hall meetings, which have been stimulated particularly this year through the Resident Physicians, to occur on most all halls from once to several times weekly. This transforms a passively residential group into one initiating elements in their own social activity, administrative control, and interpersonal expectations, and is a considerable influence in resocialization. The human psyche cannot be given "rest treatment" after the model of resting the physical body, or "incarcerated and cared for," even if very tired and ill. To do so increases illness.

Recognition of the considerable contribution of the patients themselves to the administrative work of the hospital was given in the form of a steak dinner and special certificates recognizing the voluntary work of forty-five patients working for various departments part-time.

Heaviest among the clinical and administrative tasks of the year was the planning of the proposed Rehabilitation Building which will stand in the foremost part of the hospital as a bridge to the community. The tremendous clinical demands upon this building, with their administrative detail, were built into the architectural design by consultation with the ideas of the whole staff, but yeoman's work was done by committees led by Mr. Joseph T. Prekup. Through this building it is anticipated that the hospital will substantially augment its day care and community rehabilitative aspects.

Other clinical areas developed during the year were: expansion of the Day Care to about forty patients; establishment of Night Care; improvement of admission procedures, charge procedures, care of pa-

tient property; improvement of fire drills; exclusive use of drugs by their generic names and metric measurement; establishment of the system of "patients escorting patients" and of the patient's inter-hall phone.

A glance at the statistical observations from the clinical point of view shows that there has been a steady rise of young patients under twenty-one so that they now are eighteen percent of the admissions, three times the number six years ago. There are thirty to forty in the hospital at one time. This is one of the largest groups of young people in the country who are under intensive psychological treatment. The rate of admissions for the elderly is reduced to eight percent. The increase of numbers of day and night care patients to about ten percent of the in-patients forecasts the popularity and need for the rehabilitation center. The voluntary nature of the hospital is shown by sixty-eight percent of the admissions being voluntary from the beginning. Others started on ten-day temporary care, half of these going on to forty-day observation. They then became voluntary or were discharged. Only six percent of the admissions were committed under the law as mentally ill.

This report of the clinical service must be amplified by reading the following individual and separate reports of many departments whose clinical and research efforts integrally enrich the clinical service, and which are included elsewhere in the general report. Internal Medicine has been carried on at a high level. Clinical Physiology has broadened our outlook to include this approach to mental illness through physiological research and in our use of drugs. Biochemical and neuropathological studies continue as a very large and important institution at the hospital. Psychology and Sociology contribute research in the hospital and are a regular part of our clinical thinking about the patient. Psychiatric Social Work carries a tremendous caseload, and does work with patients' families we could not imagine being without; this year that department carries the program for Volunteers from the community who have added spark to the hospital. The McLean Hospital Auxiliary, started this year, already has a massive and important membership and is beginning to make contributions. Activity Therapies has come closer to the clinicians and has many new projects of vital help to patients. The School, mentioned above, is a vital development. Nursing Service continues to be the backbone of care — it has been improved in quality especially through "in-service" education for

graduate nurses and for aides, in addition to the regular school training for nursing school students.

The clinical service owes a great debt to the persons working in the other departments of administration who sustain the excellent framework of the hospital life, and it is continually conscious of its thoughtful and humane Board of Trustees, especially the McLean Committee, under whose authority the work for patients can progress.

Respectfully submitted,
PAUL M. HOWARD, M.D.
Associate Psychiatrist in Chief

Patient Population 1960-1961

THE accompanying tables present selected characteristics of the patients of McLean Hospital. Included are characteristics of the population at the beginning of the year, admissions during the year, discharges during the year, and the population remaining at the end of the year.

Among the characteristics and trends that may be noted attention is drawn to:

1. The hospital continued to operate at the level of previous years in terms of patients treated and admissions and discharges. However, the trend for more patients to be maintained outside of the hospital has continued, and discharges exceed admissions slightly, so the hospitalized population has declined still further.
2. The age composition of the population continues to change, with older age groups decreasing and the youngest age group increasing. In the country as a whole the aged are increasing and they make up an increasing proportion of public mental hospital populations. In moving against this trend McLean appears to be specializing in younger people. This shift in age structure of the population is not simply a function of the death rate among the aged and a difference in who seeks admission. In the past year the hospital has succeeded in discharging more patients in this age group than it admitted. Persons over 60 constituted 8% of admissions, and 11% of discharges.
3. Women outnumbered men by 2 to 1. Only in the age group under 20 do men predominate. By diagnosis women outnumbered men in all categories except schizophrenic reactions. Men are less outnumbered among admissions and discharges than in the total hospital population. During the year women had slightly better chances of being among discharges than their chances of being among admissions. (Women were 61% of admissions, 63% of discharges.)
4. Schizophrenic reactions continue as the most frequent diagnostic category. Although this diagnosis accounted for only 28% of admissions, it represents 47% of the hospitalized population, an increase of 5% during the year. This suggests that Schizophrenic Reactions require longer hospital care and tend to accumulate over time. Patients diagnosed as Affective Reactions

and Chronic Brain Syndromes decreased in number and percentage, while Psychoneurotic Disorders and Personality Disturbances increased. These changes in diagnosis are probably associated with the changing age composition of the population.

5. Just under half (45%) of the patients admitted were experiencing their first admission to a mental hospital. Of those being readmitted, just under half were entering McLean for the first time. The tendency for McLean Hospital to be chosen after hospitalization elsewhere is considerably stronger for women than for men. In general women are overrepresented among readmissions and underrepresented among first admissions. This suggests a tendency for McLean care to be sought for men on their first breakdowns but for women on their repeat breakdowns.
6. The representation of different diagnostic categories in terms of previous experience (Table II-B) shows that the probabilities of being a readmission to McLean are high for Personality Disturbance and Schizophrenic admissions. By contrast admissions diagnosed as Neurotic Depressions are less likely to be McLean readmissions than would be expected by chance.

On the discharge side of the hospitalization process, (Table III) 15% of discharges leave McLean for other mental hospitals. Since 24% of admissions (Table II-A) had been in other hospitals before admission to McLean, it would appear that there is considerable "traffic" among different hospitals. Although direct transfers are more frequently out of McLean than in, in the longer run (which includes rehospitalizations as well as transfers) McLean probably gains from the movement among hospitals.

7. That treatment of mental illness is difficult and the assessment of the success of treatment is complex is reflected in the fact that only 5% of discharges are listed as recovered. More than three times as many are judged to be unimproved. Since 15% of discharges go directly to other mental hospitals (Table III), (and an unknown number go to other hospitals indirectly) it is likely that many "unrecovered" discharges are shifted to other hospitals.

Respectfully submitted,
NORMAN W. BELL, Ph.D.
Chief
Social Science Department

TABLE 1 — SELECTED CHARACTERISTICS, PATIEN

CHARACTERISTIC		Beginning of Year October 3, 1960				Admitted During Year			
Total Number		In hospital — 203 On visit — 30		233				329	
SEX	Male	33%				39%			
	Female	67%				61%			
AGE		Male	Female	Number	% of Total	Male	Female	Number	% of To
	Under 20	19	15	34	15	36	25	61	18
	21-30	2	22	24	10	19	40	59	18
	31-40	15	24	39	17	29	52	81	25
	41-50	6	20	26	11	15	40	55	17
	51-60	11	23	34	15	19	27	46	14
	61-70	7	14	21	9	4	12	16	5
	71-80	9	16	25	10	5	6	11	3
	80 and up	7	23	30	13	—	—	—	—
		76	157	233	100	128	201	329	100
DIAGNOSIS									
Schizophrenic Reactions		29	69	98	42	44	46	90	28
Psychoneurotic Disorders		6	23	29	12	15	49	64	19
Affective Reactions		7	13	20	9	14	25	39	12
Personality Disturbance		13	14	27	12	37	46	83	25
Paranoid State		2	3	5	2	1	1	2	*
Involutional Reactions		6	9	15	6	2	12	14	4
Adjustment Reactions		—	—	—	—	6	6	12	4
Acute Brain Syndromes		1	1	2	1	4	8	12	4
Chronic Brain Syndromes		12	23	35	15	4	5	9	3
Psychophysiological Reactions		—	2	2	1	1	2	3	1
Mental Deficiency		—	—	—	—	0	1	1	*
		76	157	233	100	128	201	329	100

*Less than 1%

OPULATION — McLEAN HOSPITAL — 1960-1961

Discharged During Year				Remaining at end of Year October 11, 1961				Change During Year			
		330		In hospital — 196 On visit — 36		232		In hospital — —7 On visit — +6		—1	
%				35%							
%				65%							
ale	Female	Number	% of Total	Male	Female	Number	% of Total	Male	Female	Number	% of Total
8	18	46	14	27	22	49	21	+8	+7	+15	+6
0	40	60	18	1	22	23	10	—1	0	— 1	0
8	53	81	24	16	23	39	17	+1	—1	0	0
7	40	58	18	4	20	24	10	—2	0	— 2	—1
9	30	49	15	1	20	31	13	0	—3	— 3	—2
6	7	13	4	5	19	24	10	—2	+5	+ 3	+1
4	10	14	4	10	12	22	10	+1	—4	— 3	0
4	6	10	3	3	17	20	9	—4	—6	—10	—4
6	204	330	100	77	155	232	100	+1	—2	— 1	0
2	46	78	24	40	70	110	47	+11	+1	+12	+5
8	45	63	19	3	27	30	13	— 3	+4	+ 1	+1
7	29	46	14	4	9	13	6	— 3	—4	— 7	—3
6	41	77	23	13	19	32	14	0	+5	+ 5	0
1	2	3	1	2	2	4	2	0	—1	— 1	0
5	15	20	6	3	6	9	4	— 3	—3	— 6	—2
5	4	9	3	1	2	3	1	+ 1	+2	+ 3	+1
5	9	14	4	1	—	1	*	0	—1	— 1	0
6	10	16	5	10	18	28	12	— 2	—5	— 7	—3
1	3	4	1	—	1	1	*	0	—1	— 1	0
-	—	—	—	—	1	1	*	0	+1	+ 1	+1
-	—	—	—	—	—	—	—	—	—	—	—
6	204	330	100	77	155	232	100	+ 1	—2	— 1	0

TABLE II

PREVIOUS HOSPITAL EXPERIENCE OF ADMISSIONS 1960-61:

Number and percentage of total admissions by (A) Sex, (B) Diagnosis

(A) SEX	First Admission to any Mental Hospital		Previous Admission to Mental Hospital other than McLean		Readmission to McLean		TOTAL	
	Number	%	Number	%	Number	%	Number	%
Male	66	20	26	8	36	11	128	39
Female	81	25	52	16	68	20	201	61
Total	147	45	78	24	104	31	329	100
(B) DIAGNOSIS								
Schizophrenic Reactions	34	10.3	26	7.9	30	9.1	90	27.3
Neurotic Depressions	36	10.9	15	4.6	13	4.0	64	19.5
Affective Reactions	14	4.2	7	2.1	18	5.5	39	11.8
Personality Disturbances	33	10.0	23	7.0	27	8.2	83	25.2
Involutional Reactions	6	1.8	2	*	6	1.8	14	4.2
Paranoid Reactions	1	*			1	*	2	*
Adjustment Reactions	9	2.7	1	*	2	*	12	3.6
Chronic Brain Syndromes	7	2.1			2	*	9	2.7
Psychophysiological Reactions	2	*	1	*			3	*
Mental Deficiency	1	*					1	*
Acute Brain Syndrome	4	1.2	3	*	5	1.5	12	3.6
Total	147	44.7	78	23.7	104	31.6	329	100

TABLE III

SOURCE OF ADMISSION AND DESTINATION OF DISCHARGE

SOURCE	Admitted During Year				Discharged During Year			
	Male	Female	Number	% of Total	Male	Female	Number	% of Total
Home	77	143	220	66	83	165	255	77
School	7	2	9	3	6	1		
General Hospital	12	20	32	10	3	5	8	2
Mental Hospital	11	16	27	8	20	31	51	15
Physician's Office	21	20	41	13				
Nursing Home						3	3	1
Other					5	8	13	4
Total	128	201	329	100	117	213	330	99

Report of the Director of Internal Medicine

NO important health problems arose during the year. The causes of death by percents were close to the averages for the past five years. From time to time brief mild epidemics of respiratory or gastrointestinal disorders, apparently viral in origin, have occurred, but none has caused any serious disability. These epidemics are more frequent than in former years, presumably because almost the entire staff lives out and brings in infections acquired in the community.

Dr. Thomas Hall having retired, Dr. William Hall now makes daily medical ward rounds. Few of the psychiatric staff in charge of patients attend these rounds, so that "treating the patient as a whole" is difficult. The care of the patients here is fragmented to a degree equalled in few other hospitals.

The retirement of Dr. Virginia Calkins from the Staff Clinic was immediately followed by a period of uncomfortable readjustment. However, the Clinic is again functioning well under Dr. Gauthier. A sociologic change involving the Hospital's employees has created some problems. In an earlier era most of the employees lived on the grounds and when ill, were treated by the Clinic staff. Now most of them live away, and many of them still expect the same full medical care.

The Clinical Laboratory does about 15,000 tests a year. A rearrangement in the hours of work of our technician, Mr. Joseph Giancola, has made it possible to have emergency laboratory work done up to 11 p.m. This arrangement has also improved the efficiency of the laboratory's operation; Mr. Giancola's efficiency was already outstanding but now shows to better advantage.

The pharmacy had a respite in the progressive growth of its burden. The number of prescriptions filled fell to 21,000, a decrease of over a fifth. However, the pharmacy still filled an average of 400 prescriptions per week, a number that still constitutes a strain on Mr. George Zager and his part-time assistant. Despite this great burden, Mr. Zager has continued to perform his many services, including informing the nursing staff about new drugs introduced into the hospital.

The X-Ray Department also experienced a respite, in that the number of X-Rays ordered decreased by about a fifth. Chest X-Rays comprised more than half the total, those of employees outnumbering those of patients about two to one. X-Rays of the skeleton comprised the

second largest group. The quality of the roentgenograms has never fallen below the level of superb. Mr. Herbert Davidson's skill, tact and patience cannot be praised too highly.

Respectfully submitted,
MARK D. ALTSCHULE, M.D.

Report of the Director of Research in Clinical Physiology

THE problems of research in a mental hospital are more complicated than those encountered in general hospitals. These problems naturally vary from hospital to hospital: an important problem at the McLean Hospital is that of securing subjects for research. Usually overlooked is the fact that all patients are morally obligated to cooperate in research studies. This obligation derives from the fact that all patients in all hospitals, whether in ward or private beds, are supported during their hospital stays by funds raised in the community. This does not refer to charitable donations given voluntarily by individuals; it refers to huge sums given by the community to the voluntary hospitals in the form of remitted taxes. This money is taken from each member of the community regardless of his wishes. Accordingly, all patients in all non-profit hospitals have an obligation to all members of the community—an obligation to cooperate in research (and, of course, teaching) so that other members of the community who have the same diseases or may have them in the future may benefit from improvements in diagnosis and treatment.

Patients in mental hospitals are under the same obligations. Moreover, the staffs of those mentals hospitals—such as the McLean—that base their treatment on getting the patients to enter into normal relations with the community are morally obligated to persuade their patients to cooperate in research. However, this obligation on the part of the hospital staff is rarely acted upon or even acknowledged in the McLean Hospital. A related problem involves the interpretation of the psychotic patient's willingness to cooperate in research. The question may be raised whether a psychotic patient's acquiescence—or his refusal—is valid. It is customary, at least in some hospitals such as the McLean, to wait until the patient expresses acquiescence; however, it is difficult to establish the validity of this acquiescence. This problem is derived from the more general problem of how freely psychotic patients are to be permitted to control their own treatment—a problem as yet unsolved.

Another question must also be considered: whether attempts to explain to a psychotic patient the nature and purpose of the desired tests

(such explanations starting days or weeks before the test is made) either (a) serve as a valid basis for a valid decision by the patient or (b) prevent him from making such a decision by confusing and frightening him so that an innocuous test becomes a disturbing experience to him.

Clinical research in general hospitals must be conducted so as not to interfere with treatment. The same principle should, of course, guide research on patients in mental hospitals. However, there are marked differences of opinion among psychiatrists about whether taking a sample of blood or having a patient void into a urinal interferes with treatment. Psychiatrists therefore often find themselves in a difficult position: On the one hand, they are morally obligated not to recommend anything that interferes with their treatment of patients; on the other hand, they are also morally obligated to persuade their patients to cooperate in research. These moral problems severely test the skill and judgment of psychiatrists. It is apparent that some psychiatrists—presumably only those of little experience—handle these problems badly.

The researcher himself must face certain moral problems, but his task is relatively simple: he must merely remember that clinical physiologists are morally bound to limit their research—that is, their nondiagnostic studies—to experiments that do no harm and cause a minimum of discomfort. These studies must have as their aim the revelation of something about the patient's disease so that he, or others with the same disease, may benefit from improvements in diagnosis or treatment.

During the past year studies mentioned in previous reports have continued, and some progress has been made. However, the accumulation of certain data has caused a change in viewpoint. It has long been evident that the concept of schizophrenia is a morass of conflicting and overlapping hypotheses not only about etiology but about the nature of primary and secondary symptoms and about the existence of fundamental and accessory factors. Moreover there are no universally accepted criteria that permit a diagnosis of schizophrenia to be made except by exclusion. Accordingly a decision was made to cease trying to study the condition called by most physicians "schizophrenia" and to study instead a disease that at least temporarily may be called "hyperaminochromuria." Thus far—and this may be pure coincidence—all persons but one who have shown this disorder have been diagnosed as having schizophrenia; almost all patients studied who had the diagnosis of schizophrenia have been found to have hyperaminochromuria. The

severity of the mental symptoms varies with and follows after an interval change in urinary aminochrome output. Attempts to develop simple quantitative methods for the study of hyperaminochromuria comprise much of the interest of the Laboratory of Clinical Physiology.

Potent pineal extracts cause a decrease in urinary aminochrome output in patients with hyperaminochromuria. Accordingly the further purification of pineal extracts continues to be another major interest of this Laboratory. Methods have been devised for the removal of over 95% of the impurities but further purification is necessary before the nature of the material can be defined. At the moment it appears to be a fluorescent ester that contains phosphate.

Respectfully submitted,
MARK D. ALTSCHULE, M.D.
Director of Research in Clinical Physiology

Report of the Director of Scientific Research

DURING 1961, the biophysical laboratories were completed and placed into operation. This brought into full use the 8150 sq. ft. of new space provided during 1960 by the addition of a 90 ft. extension to the original laboratory building. Dr. J. F. Greaney left the staff in February to pursue training in psychiatry; Dr. M. Matsumoto moved to the Rockefeller Institute in September at the end of his one-year stay as Rockefeller Foundation fellow; and Dr. E. Soto returned to the University of Buenos Aires in November after his one-year stay as a fellow of the National Multiple Sclerosis Society. Three people were appointed to the staff: Dr. Pierre Stoffyn, Established Investigator of the American Heart Association; Dr. Anne Marie Stoffyn, and Dr. E. T. Pritchard, Fellow of the National Multiple Sclerosis Association. Also, Dr. Robert Zand, Research Fellow in Biophysics, Harvard Medical School, and Mr. Russell Martenson and Miss Daveda J. Tenenbaum, students in the Division of Medical Sciences, have taken part in the work of the Laboratory. With these and other changes, the Research Laboratory staff comprised at the end of 1961, sixteen professional people, thirteen research assistants, four laboratory assistants, three secretaries, one photographer and two graduate students, a total of 39 people and an increase of 9 people over 1960. This increase, which will continue during 1962 at a smaller pace, reflects the steady expansion of the program made possible by the expansion of physical facilities.

For current operations, the laboratory received during the calendar year $213,505 from the United States Public Health Service, $1,000 from the American Heart Association, and $129,763 from the Ford Foundation. However, the Ford Foundation grant is to be used over a period of four years, and only $30,000 approximately have beeen used during 1961. Hence, the actual contribution from all outside sources to current expenses for the year amounts to about $245,000. This compares with $169,000 for 1960, a substantial increase which reflects the expansion of the research program.

The scientific work carried out during the year was reviewed by the Advisory Committee on January 26, 1962. It is summarized below under three different headings, namely, *Biochemical Studies,* prepared by the

undersigned; *Neuropathological Studies,* prepared by Dr. Alfred Pope; and *Biophysical Studies,* prepared by Dr. J. David Robertson.

Biochemical Studies

During 1961, the work under this heading had been expanded by the appointment to the staff of Drs. Pierre Stoffyn and Anne Marie Stoffyn, two trained organic chemists. It has consisted otherwise in the continuation and elaboration of earlier work, and, as such, has been concerned mainly with the various aspects of the biochemistry of *proteolipids, phosphatidopeptides,* and *strandin,* the three different types of complex macromolecular aggregates which had been recognized as the result of earlier work. The studies carried out have dealt specifically with the purification of proteolipids by various physical methods, with their biosynthesis, and with the study of their physicochemical properties; with the chemistry and metabolism of phosphatidopeptides; with the continued study of the metabolism of the various carbohydrate moieties constituent of complex macromolecules; with a reactivated study of the biochemistry of the macromolecular ganglioside preparation strandin; and with the continuing study of the chemistry of the agent(s) causative of experimental allergic encephalomyelitis (EAE) and of the chemical composition of developing normal brains and of brains from patients with leucodystrophies and germane conditions.

In the case of proteolipids, Dr. M. Lees' group has continued to apply dialysis as a means of separating proteolipids from free lipids. It has been found that proteolipids prepared by dialysis are similar to those obtained by the emulsion-centrifugation procedure, with the possibly important exception that proteolipids obtained by dialysis of total lipid extracts are almost devoid of phosphatidyl serine. It has also been found that 10-15% of "peptide amino acids" in total washed lipid extracts are dialyzable and hence are not proteolipids in the strict sense. The study of the amino acid composition of different proteolipid preparations has shown no significant difference between total white matter proteolipids prepared by different methods, and between different chromatographic proteolipid fractions, except for differences attributable to the respective lipid moieties. These observations have reinforced the hypothesis of the single chemical nature of the protein moiety of proteolipids.

Dr. M. Matsumoto has studied further the application of chromatography to the fractionation of proteolipids. He has found that the

three fractions that he had obtained by chromatography of white matter proteolipids prepared by emulsion-centrifugation did not behave as single substances on rechromatography. Instead each yielded, besides a major peak at the expected locations, two subsidiary peaks which corresponded to the other two peaks observed in chromatograms of total proteolipids. The chemical study of each of these fractions showed them to contain small amounts of fatty acids and, otherwise, to be much poorer in P and galactose than the starting proteolipids. The P was shown to be mainly, if not exclusively, a phosphoinositide of the phosphatidopeptide type, the presence of which in proteolipids had beeen established earlier by Dr. F. N. LeBaron.

The work of purification of proteolipids is being continued and expanded by Dr. E. T. Pritchard. Dr. R. Zand is studying the application of ultracentrifugation and other physico-chemical methods to the purification of proteolipids. Also, Miss D. Tenenbaum has undertaken the study of the nature of the linkage between the lipid and the protein moieties.

An important inference from the behaviour of proteolipids in chromatography and dialysis is the suggestion that proteolipids possess closely bound and loosely bound lipids, and that under certain conditions the latter may very well be exchangeable with free lipids.

Dr. L. Mokrasch has implemented a long range program of study of the biosynthesis of proteolipids. He has set up general procedures of tissue preparation and of enzyme activity measurements. He has observed a slight incorporation of ^{14}C amino acids into proteolipids of tissue slices, nuclei and mitochondria, but has failed to obtain any with homogenates. He has also observed spontaneous incorporation of amino acids into proteolipids, a serious handicap to the study of biosynthesis.

Dr. F. N. LeBaron's group has continued its study of phosphatidopeptides (PP). It has been found that the amino acid pattern of these compounds is affected by the polarity of the extracting solvent, and that with the least polar solvents used, relatively high proportions of only a few amino acids are found. By mild alkaline hydrolysis the constituent P has been obtained in a water-soluble, undialyzable form. In collaboration with Dr. G. Hauser it has been found that the *in vivo* incorporation of ^{32}P in rats reaches a maximum four hours after intraperitoneal injection, and that the incorporation is as great in adult rats as in the actively myelinating young animal. The latter finding indicates that if PP are myelin components, they do not partake of the biochemical

stability shown by other myelin components, such as sulfatides and proteolipid protein. A number of ancillary studies have also been carried out. Finally, Mr. R. Martenson has begun an extensive investigation of the "viscous protein" fraction.

The reactivated study of strandin is the main concern of Dr. Pierre Stoffyn and of the undersigned. The work, which is in its initial stages, will consist of a thorough attack on the physical chemistry and chemistry of this macroganglioside. The study will also include an investigation by Dr. A. M. Stoffyn of the structure of cerebrosides and sulfatides, which are obviously related to gangliosides.

Dr. G. Hauser, besides his collaboration with various other investigators, has continued his long range study of the biochemistry of the carbohydrate moieties constituent of brain structural components. In the case of free inositol, he has found glucose to be the best precursor for *in vivo* synthesis in brain and kidney, with pyruvate being possible slightly better in liver. No synthesis has been observed with glucuronate and acetate. Young animals incorporate glucose-^{14}C into free inositol at a faster rate than adult animals, but the effect of age is beclouded by the fact that the difference observed for blood free inositol is much larger than that found for brain, liver and kidney free inositol. Attempts at *in vitro* synthesis of inositol by brain homogenates have continued to be unsuccessful.

As another part of this program, Dr. J. Dobkin and Dr. G. Hauser have implemented a full scale study of the metabolism of brain sialic acid, galactosamine and glucosamine. A feasible procedure has been developed for the isolation of various fractions of sialic acid, of galactosamine and of glucosamine on the scale required for *in vivo* work, and for their purification to the exacting degree required for isotope incorporation studies. The actual study of the metabolism of these moieties is only being initiated, but the preliminary results point to some challenging leads.

In a continuation of the study of the nature of the agent causative of experimental allergic encephalomyelitis, Dr. E. Soto has investigated the extraction of brain white matter with petroleum ether, which Lipton had found to yield a highly active antigen. This work has produced more leads than clear-cut results. It has been found that under the standard conditions developed for the reproducible extraction of the tissue with pertoleum ether, the physical nature of the extractives yielded by the tissue is sharply affected by temperature and by the presence of

small amounts of specific solvents. The evidence gathered points to the presence in the tissue of exceedingly large macromolecular species that can be dissociated and irreversibly split by an array of chemical and physical agents usually considered mild or inert. From the point of view of the antigenic nature of the preparations, petroleum ether fails to give a very significant concentration of antigenic power, and the antigenic power of individual fractions is prey to unexplained and uncontrollable decreases and obliterations.

Dr. H. Moser, in collaboration with Dr. Lees, has run complete analyses of lipids and some other components on normal human brains of different ages, and on two cases of the globoid type of leucodystrophy described by Krabbe. While most of the results obtained are confirmatory, the value of the evidence of this type gathered over the years with uniform methods cannot be overestimated.

Neuropathological Studies

(This section of report prepared by Alfred Pope)

This section of the laboratory has continued to utilize microchemical techniques for study of the quantitative histochemistry of the nervous system including selected problems in neuropathology.

An important aspect of this program has been work directed by Dr. Hess on development of analytical methods for determination of biochemical substances in microgram quantities of brain tissue. During 1961, improvements have been achieved in the specificity and sensitivity of a new fluorometric method for assaying the sialic acid component of brain gangliosides. Conditions for complete extraction of these substances into the aqueous phase after partition of organic solvent extracts of brain tissue have also been studied and standardized.

The central problem under investigation continues to be study of the elementary biochemical architecture of the cerebral cortex of man. Experiments are now in progress by Dr. Hess, Dr. Lewin, and Miss Thalheimer on the intralaminar distributions of protein, lipid, and nucleic acid fractions in autopsy specimens of normal frontal isocortex. The experimental design for sampling the cortical layers and sublayers is a modification of that used previously for studies on the intralaminar distributions of enzymes. The methods for microchemical analyses are those recently developed in this laboratory and discussed in previous reports.

Studies of this sort have shown that proteolipid protein concentration is relatively high in layer I, becomes lowest in layers II, IIIb and IV, and progressively increases in amount through layers V and VI to high values in subcortical white matter. This pattern is consistent with an as yet incompletely understood relation between these lipid-protein complexes and nerve fibers. Residue protein (an index of actively metabolizing tissue mass) is relatively uniform throughout layers I through III, then declines progressively to about one-half its highest intracortical concentration in subcortical white matter. Cerebrosides are abundant, relatively to adjacent zones, in layers I and at the II-IIIa junction, and show a progressively rising concentration gradient through the infragranular layers into the subjacent white matter. The intralaminar distribution of these lipids is consistent with their being constituents of myelin. Experiments on nucleic acid distributions have shown the anticipated elevations of DNA in layers II and IV, corresponding with the cortical levels of greatest cell density. The intralaminar pattern of RNA has displayed an unexpected degree of variability from one level to another, the significance of which is difficult to interpret.

Parallel investigation on chemical structural components (Drs. Hess and Lewin and Miss Thalheimer) and enzymes (Dr. Pope) have continued on specimens of human cortex exhibiting pathological changes with emphasis on the organic dementias. For example, experiments on cortex in a classical instance of Alzheimer's disease showed that proteolipid protein was significantly reduced in layers III and V and that cerebrosides were low in layer I. On the other hand, except for negligible acetylcholinesterase activity in layer I, its intracortical distribution as well as that of lipase (vs. tri-N-butyrin) and dipeptidase (vs. L-alanylglycine) were within normal limits. Control studies found necessary in conjunction with the enzymatic microchemistry of cortical autopsy specimens, have indicated that human brain alanylglycinase is a metal-activated (perhaps zinc) complex.

Dr. Dreyfus (assisted by Miss Moniz) has continued his investigations on the enzymology of experimental thiamine deficiency. During 1961 work continued on a micro method for determining the thiamine dependent transketolase step in the pentose pathway of glucose metabolism. Kinetic studies showed that ribose disappearance and sedoheptulose formation can be utilized as indices of transketolase activity. Such an assay procedure was modified to an ultra micro level permitting measurements on tissue samples of the order of 25 micrograms dry

weight. It was utilized for a series of experiments on transketolase activity in ten regions of rat central nervous system. The results indicate that activity is higher in white tracts than in nuclear gray matter, a finding consistent with other indications that the pentose shunt is associated with nerve fibers. Analogous experiments are in progress on the regional activity of transketolase during the development of experimentally induced thiamine deficiency.

In order to measure another important thiamine-dependent enzyme system in microgram samples, a method is being developed (in collaboration with Dr. Hauser) for the micro assay of pyruvic decarboxylase by measurement of radioactive CO_2 produced by the oxidative decarboxylation of pyruvate. With this method simultaneous studies will become feasible on thiamine-dependent enzymes and total thiamine in discrete neuroanatomical loci during devoloping thiamine depletion. This may help to illuminate the problem of selective vulnerability of certain neural structures in deficiency disease.

Biophysical Studies

(This section of report submitted by J. David Robertson)

The new biophysics laboratory began operations in April, 1961. A staff consisting of a secretary, photographer, and two technicians has been gathered. The work in progress can be divided into two categories: 1) Setting up equipment, redeveloping and improving routine technical procedures, and training technicians in their use. 2) Continuation and elaboration of work previously begun on the ultrastructure of peripheral nerve cell membranes and synapses.

In 1) the routine procedures necessary for biological electron microscopy and related cytological techniques are in operation. A pointed electron gun filament has been developed and research is in progress on the problem of contamination of specimens in the electron microscope.

The second, and main, category of work has been concerned in a broad sense with a continuation of a long-standing interest in membrane structure and membrane contact relationships. Two avenues have been pursued. First, the crayfish median-to-motor giant synapse has been examined by improved techniques to decide whether or not there is a reduction in the width of the gap between pre- and post-synaptic membranes in this synapse. Examination of permanganate fixed speci-

mens has shown that in significantly extensive regions in some specimens there is a complete obliteration of the gap between the apposed synaptic membranes.

The synaptic gap problem is intimately tied up with that of extracellular fluid spaces in the brain. These spaces, though very thin (~100–200 A) may be very important to brain function. Therefore, a program of study of experimentally altered external membrane contact relationships in peripheral nerve fibers has been started.

The unit membranes firmly united in frog nerve myelin can be caused to separate experimentally by hypotonic solutions. The resulting intermembrane gap is structurally analogous to others such as those between neural elements in brain. The widths of these gaps can be measured by electron microscopy and a method has now been devised for detecting them by polarization microscopy.

Teased isolated myelinated fibers soaked in distilled water and examined in polarized light show a reduction in the strength of the radially positive birefringence of the sheath. The sign of the birefringence finally reverses. The normal sign can be restored by putting the nerves in appropriate salt solutions. Electron microscopy has shown that normal myelin is then restored. The unit membranes remain intact throughout these alterations. The phenomenon is therefore a reversible dissociation and reconstitution of normal myelin. The reversible change in sign of birefringence is being used to follow the effects of ionic and non-ionic media on the gaps between the dissociated membranes. Non-ionic media are ineffective in isotonic (I) or more dilute solutions but sucrose is effective at 10 I concentration. Salts are effective in very hypotonic concentrations. $CaCl_2$, $MgCl_2$ and $AlCl_3$ are all effective in dilutions of 1/1000 and $AlCl_3$ is more effective than the others. So far it has been concluded that, while the reconstitution phenomenon can be brought about on an osmotic basis alone, it is most sensitive to ionic factors and here valence seems to be important.

Recently a new project has been begun on the Mauthner cells of goldfish. This cell, with its many kinds of synapses, is ideally suited to the further elaboration of the program of the laboratory.

Respectfully submitted,
J. FOLCH-PI, M.D.
Director of Scientific Research

Report of the Psychology Department

DURING the past year the Psychology Department has continued its major functions of psychological testing, research, teaching and psychotherapy. A total of 160 patients were seen for psychological testing and 602 tests were administered. Psychological test data are used as part of the over-all evaluation of patients when they enter the hospital, to answer questions about diagnosis, possible brain-damage, prognosis etc.; also by re-testing patients periodically it is possible to ascertain the degree of progress a patient has made in the hospital.

Teaching activities have continued to include psychiatric residents, nurses, medical students and graduate students in Clinical Psychology. A course in the Theory and Practice of Psychological Testing has been offered to the residents; Dr. Schnitzer has participated in the Nursing education program; and we see the Harvard medical students each month as part of their general training program. To the graduates from the Department of Social Relations at Harvard University who are doing some of their practicum work here, we offer supervision and training over a nine week period in the administration of psychological tests.

Dr. Pierce has continued her research interests in perception and adolescents, Dr. Schnitzer is pursuing his interest in the self-image of psychotic patients, Mr. Erle is investigating the representation of abstract notions in a medium of visual imagery, and Dr. Soskin's research on long term sequences of social behavior and vocal communication is continuing.

We were sorry to lose Miss Mildred Swinson who is now Mental Health Co-ordinator at the North Shore Child Guidance Center in Salem, Massachusetts and Mr. Herbert J. Hoffman who has joined the staff of the Thom Clinic. We have added a new psychologist, however, and are happy to welcome Mr. Richard Erle, who joined our staff in July; he is completing his work for the Ph.D. at Clark University and spent last year as staff Psychologist at the Brandeis University Counseling Center.

Respectfully submitted,
IRENE R. PIERCE, Ph.D.
Director, Psychology Department

Report of the Social Science Department

RESEARCH continues to be the principal activity and source of support of social scientists at McLean Hospital. In terms of personnel and studies undertaken, the Department has remained stable throughout the last year. Although no new lines of research were begun, earlier interests have been broadened. Dr. Coser received funds to spend six months in Norway carrying out a study of Norwegian psychiatric residents. This study was in part a comparison to her McLean study of the socialization of residents into the psychiatric profession. Following completion of her studies on family life and schizophrenia in Italy, Dr. Parsons began a study of culture change and schizophrenia among Italo-American patients. This study is being carried out with the cooperation of Boston State Hospital. Dr. Melbin too has had the cooperation of Boston State Hospital in one phase of his study of aide-patient interaction. Dr. Melbin has been pursuing his interests in the theoretical and methodological issues in this area. Dr. Bell's collaboration with Drs. Eldred and Sherman in studies of the ward milieu and its relationships with the psychological and physical status of patients has proceeded according to schedule. Drs. Kennedy and Spencer continued their part-time association with McLean.

In terms of presenting and publishing papers, all members of the Department have been active. The life of the research scientist provides (in addition to a good deal of hard work) much in the way of intellectual stimulation and the excitement of communicating with professional colleagues. On the other hand, being dependent on the "soft" money of grants funds makes this life somewhat unpredictable and uncertain. At times a great deal of effort and energy must be devoted to assuring that grants will be continued. To date outside funds have been available as stopgap measures, but greater stability for the research worker continues to be a goal to be sought.

Other activities of social scientists in the hospital have continued to expand, even to the point of possibly compromising research commitments. A series of small seminars in special areas of joint concern to psychiatry and the social sciences were instituted for residents. Although this program has been time consuming, the general feeling has been that it is an effective way of exchanging points of view. Requests for advice and suggestions on, or sometimes just discussion about, prob-

lems in the clinical and administrative life of the hospital have also increased in number. In general, members of the Social Science Department have been gratified by the opportunities to integrate their specialized skills and knowledge with those of psychiatry. We very much hope that such collaboration will expand further, but at some point consideration will have to be given to how such extra research activities are to be financed.

The Department welcomes the addition of Rachel Kahn-Hut as research assistant to Dr. Coser and of Frances Morrill as research assistant to Dr. Parsons. Richard Longabaugh continues yeoman service as assistant on the Eldred-Bell-Sherman project.

Respectfully submitted,
NORMAN W. BELL, Ph.D.
Acting Chief
Social Science Department

Report of the Social Work Department

THE social work services were influenced by the developments of the hospital program. Because of the increasing number of adolescents in the hospital, emphasis was placed on programing for this age group. The social group worker acted as leader to a Girls Club, a Jazz Club for boys, and then helped in developing the Young Adult Lounge, a meeting and club room for the teenagers. The hiring of an educator in July 1961, and the opening of a school in September 1961, made it possible to turn over the planning for the education of the adolescents to teachers trained for such and freeing the caseworkers from arranging tutoring and schooling.

The hospital continued to explore possible ways of maintaining its high standard of care and yet attempt to plan for shorter stays and earlier discharge by making use of the various outpatient programs such as Day Care, Night Care, etc. The social workers, in turn, developed more placements such as foster homes, and provided services to an average of 50 outpatients or their families monthly (an average increase of 15 cases monthly over the previous year). The Rutland Corner House, a halfway house for women patients discharged from psychiatric hospitals, offered to accept suitable patients from our hospital beginning December, 1960. This greatly strengthened the community resources available to our patients. The Center Club, a community club for patients who have emotional problems, provided assistance by offering our patients a place to socialize and meet others.

Despite some staff turnover causing a serious shortage of workers during the summer and an interruption of service in some instances, the social workers continued to carry an average case load of 170 cases monthly (up 20 over the previous year). A total of 6061 in-person interviews were conducted by the workers. The problem of insufficient time for dictation continued to plague the staff. There was a total of 128 undictated cases at the end of the year, an increase of 35 over the past year.

Members of the Department continued their teaching responsibilities with students of the social work program from Simmons College, Boston University and Boston College, the Harvard Medical Students, and with the McLean Nursing students. Miss Louise Frey, Professor Social Group Work, Boston University School of Social Work, con-

tinued to act as consultant to the development of our group work program and has accepted our setting as a second year sequence placement for group work students.

During the year, Mrs. Rae (Fishman) Silberger and Miss Leonor Herrera resigned. Mrs. Irene Daitch joined the staff in September 1961, and Miss Suzanne Batchelder in October 1961.

GOLDA EDINBURG
Director, Social Work Department

Volunteer Services

This past year several results of the volunteer program can be identified. The good-grooming clinic, art lending library, playreading and a businessmen's club are some of the special interest groups implemented by volunteers to give patients rewarding and enriching experiences during their hospitalization. Also, hospital-community relationships have been extended and strengthened beyond Belmont to six additional communities from which volunteers were recruited. A total of 46 volunteers served 3800 hours in the hospital. Twenty of these were college students. In May, the hospital gave a party and awarded certificates to 43 volunteers in appreciation for services given. It is planned to continue to limit the number of volunteers so that those who do serve can have adequate supervision.

Jo Ann Glotfelty
Director of Volunteers

Report of the Nursing Department

The Nursing Service

FOR those individuals who are about to read this report, I suggest that you review first the annual report submitted last year in which you will find recorded our accepted philosophy as nurses in the promotion of sound organizational planning for good hospital nursing service in an attempt to meet the individual nursing care needs of each of our patients. One change was made in this philosophy in order to meet also the needs of the personnel involved in that care. Thus the sixth belief was changed to read: "We believe that continuous education, research and evaluation, carried out by either the nursing profession or others, are necessary to improve nursing practice and patient care, to maintain morale, and to promote the continuous growth and development of the personnel."

This year the final structure designated as By-laws of the Nursing Service Administration Committee of the McLean Hospital finally emerged and was unanimously accepted by the nurses and approved by the Director of Nursing Service. The philosophy which was recorded in last year's report along with the objectives of the Committee were incorporated into the final structure. For your information the objectives are as follows:

To provide on the three tours of duty, nursing care based on the needs of the individual patient, which will ". . . aid and support the patient while he attempts to work out a satisfactory solution to the problems brought to light in the course of the psychotherapeutic work."(1)

To provide nursing personnel who are qualified through education, experience, and personality to give care which respects the fundamental rights of every human being.

To recognize that the needs of the patient may be physical, social or religious as well as psychological, and that problems in any one area may influence the other, thus requiring nursing care which is all-inclusive.

To provide an environment wherein members of the psychiatric team can be adequately instructed through the use of all available resources, including themselves, to relate with the patients in a therapeutic manner.

To keep an open mind towards the importance of continuous education, research, and evaluation as vital forces through which members of the psychiatric team can improve patient care.

(1) Alfred H. Stanton, M.D. and Morris S. Schwartz, Ph.D., *The Mental Hospital,* Basic Books, Inc., 1954, p.155.

It is further planned to carry out these stated objectives ultimately by the participation of all nursing personnel. Three groups which must be incorporated into the structure so that value to patient care may be more fully realized are assistant head nurses, staff nurses and psychiatric aides.

At present our structure includes four Standing Committees from which recommendations are presented for discussion to the parent administrative group in preparation for approval by the Director of Nursing Service or by the appropriate officers of the hospital through her recommendation. The aims of the committees are as follows:

The Nursing Service Supervisors Committee shall effect the continuous improvement of patient care necessitating an understanding of factors which influence the milieu of the hospital.

The Head Nurse Group shall develop common objectives in patient care, unit administration and education of personnel; it shall serve as a medium of communication between the clinical units and the hospital departments.

The Nursing Practice Committee shall analyze and, where indicated, revise or initiate procedures and practices to meet the changing concepts of nursing and to correlate them inasmuch as is possible with those of the Massachusetts General Hospital.

The Functions, Standards and Qualifications Committee shall establish functions, standards and qualifications for the nursing service personnel.

The Standing and Special Committees have resolved or made recommendations to the appropriate authorities on such subjects as doctors' orders and medication sheets, searching patients' rooms, ways to involve patients in activities and responsibilities of nursing personnel, use of physicians desk reference and incorporation of official listing of acceptable initials and abbreviations and accident incident report procedure. At present there are special committees studying the following: revision of day, evening and night charge nurse duties; uniforms for nursing personnel; and, evaluation of nursing personnel.

The development of a new department in nursing designated as the Nursing Service Education Department by Miss Garland Lewis, Coordinator of Nursing Education was a milestone in our nursing development at McLean Hospital. It is important to relate here that with this development has come an important advancement in the care of the patient psychiatrically through the concentration upon individual and group instruction rendered by Miss Lewis and her instructional personnel. The Nursing Service Department is looking forward to a continued association which has become increasingly profitable in the administration of improved nursing care to our patients.

The hospital has provided several educational and professional

opportunities outside the hospital. Members of the staff were representative of the nursing service at national and state conventions of the nursing organizations and shared their information with those who were unable to attend.

Special arrangements have been made for nurses and psychiatric aides, who work either full-time or part-time, to continue their education at nearby colleges. Ten nurses and eighteen psychiatric aides have realized this opportunity.

The scholarship plan has continued to attract nurses. During the year fourteen nurses studied part-time and one nurse studied full-time on the McLean Graduate Registered Nurse Scholarship Fund at two of the local colleges and universities, and a total of 104 credits was earned.

The master staffing pattern was reviewed and changes were made according to the anticipated needs in patient care for the coming year. The final budget established was geared to give 6.5 nursing care hours per patient per day to a total of 195 daily patient census. The master staffing pattern was then used as the basis for establishing the salary and wage aspect of the total nursing budget.

In September Mr. Daniel H. Lennox, Assistant Director of Nursing Service was granted a leave of absence sufficient in length to complete his requirements for a Master of Science degree in Nursing Service Administration at Syracuse University in Syracuse, New York.

At the same time the position of Administrative Assistant in Nursing Service was dropped and Mr. Americo Zerneri was promoted to the position of Assistant Director of Nursing Service.

Further reorganization was realized by the creation of a position entitled Administrative Supervisor and Miss Mary E. Pease was promoted to this position. The plan included a functional change in which Miss Pease was temporarily assigned nursing service functions during the absence of Mr. Lennox three days weekly. The two remaining days of the week the assignment was made to relieve the office supervisor on her time off thus creating an improved liaison between nursing service administration and nursing service supervision.

Educational advancement of supervisory personnel is as follows: 1) Miss Mary E. Pease received a B.S. in nursing from Boston University in August 1961; 2) Mr. Paul V. Donnelly received a B.S. in nursing from Boston University in June 1961; 3) Mr. William H. Cummings is currently matriculated at Boston College School of Nursing; and,

4) Miss LaVonne E. Davidson, B.S. in Nursing Education is currently employed part-time and matriculated at Boston University to fulfill her requirements for a Master of Science degree in psychiatric nursing.

The average number of graduate nurses during 1960-61 was lower by 8.5 than the previous year. The decrease brought the total to 83 full-time and 4.5 part-time nurses at the end of 1960-61 fiscal year as compared to 89 full-time and 6 part-time at the end of the previous fiscal year.

The average number of psychiatric aides has increased from 92 to 94.

At the end of the fiscal year 1960-61 the following budgeted positions were unfilled: Supervisors — 1; Head Nurse — 0; Assistant Head Nurses — 0; Staff Nurses — 0; and, Psychiatric Aides — 0.

Activities shared with hospital administration and personnel from other departments has continued. Project activities which are incomplete or uninitiated as yet include the development of fire prevention plans of action for patient areas and for the two nurses residences; a master disaster plan of education and action; reorganization of inventories in all nursing areas; and, evaluation and action to eliminate non-nursing functions.

The aims of the nursing service for the coming year include plans for developing criteria requirements for a proposal of increased salary ranges for psychiatric aides; further development of graduate nursing personnel on all levels through continuous inservice education; development of evaluation and counseling techniques to be used for all nursing personnel; development of a departmental policy book; and, development of an organizational chart which indicates areas of responsibility to whom and for whom each person is accountable, and the major channels of communication.

Recommendations for improvement of nursing services in 1962-63 are: 1) that salary ranges be made comparable to those usually paid in most parts of the United States (psychiatric aides, staff nurses, assistant head nurses and head nurses in particular); 2) that McLean graduate nurses and nurses with degrees begin starting salaries one step higher than the beginning rates for all staff nurses; 3) that the budget for Scholarship Grants to Graduate Nurses employed at McLean remain at $4,000 annually; 5) that satisfactory library services for nursing service be developed; and, 6) that the health services to paid personnel be evaluated in order to clarify the extent of services available.

Members of the nursing staff wish to express their appreciation for

the help and guidance given during the year by the Board of Trustees, the Medical Staff, the Administrative Staff and all the other hospital departments.

The School of Nursing

Progressive changes and future plans for the improvement and implementation of the basic three year diploma program has been evident throughout the year. The major areas which will be mentioned in this report will be concerned with organization, administration, selection and admission of students, curricula, student and faculty welfare and improvement of facilities.

A review of the structure of the faculty organization was completed with minor revisions of the Constitution and By-Laws. Special emphasis was placed on advisory service during the review and it is of importance to note that a special committee was formed to study the newly approved philosophy and objectives of the Nursing Service Administration Committee since the School of Nursing philosophy and objectives related in part to nursing care and should be in keeping with the philosophy and objectives of the hospital and its nursing care program. Further consideration of organizational structure resulted in the revision of Rules of Procedure of the Standing Faculty Committees to conform with the Faculty Constitution and By Laws. These four committees are: Admissions, Curriculum, Guidance and Evaluation, and Library and Teaching Aids.

A continuation of the informal coordinating discussion group formed in 1959 between nursing service and the faculty resulted in the spelling out of functions for this group and the adoption of the formal name of Coordinating Discussion Group of the McLean Hospital School of Nursing and Nursing Service Department. Since its beginning this group only had representation from nursing service by administrators and supervisors until this year when a head nurse was chosen to replace one of the nursing service representatives because head nurses are closer to the student problem in patient care. To further understanding on the part of the hospital authorities, the group have invited the hospital administrator regularly to each meeting and this arrangement has been indeed profitable. Material discussed and recommendations made to the Director of the School of Nursing have centered around staffing problems, student assignments on all levels, student escort policies, twenty-four

hour coverage of the women nurses home office, adolescent patients and the gymnasium, student health problems, and many other items of concern.

The Advisory Committee of the School of Nursing has continued to give wise counseling to the Director of the School. There were two vacancies. Mrs. John Donovan of Belmont replaced Miss Stella Goostray as an influential lay representative. Mrs. Robert Homans resigned from the Board of Trustees and thus was no longer the Trustees' representative to the Committee. No replacement was made before the end of the fiscal year. It seems appropriate to record here the caption which was published in The Newsletter at McLean Hospital and which shows what Mrs. Homans has done for Nursing at McLean and I quote,

"Nursing at McLean has been under a truly great advisor for the past twenty-eight years. It all began when Mrs. Robert Homans was invited as a lay representative to become a charter member of the original Advisory Committee to the McLean Hospital School of Nursing. At the first meeting she was chosen as Chairman of the Committee and under her able guidance as chairman and later as Trustee representative, the Committee has continually promoted and recommended good educational policies and with this support the school is now rated nationally with the top schools of the country. Recognizing that service in nursing is an important part in the current care of patients as well as in understanding the needs of the school, Mrs. Homans spent time periodically at the hospital, visiting patients, attending various hospital and nursing functions, reviewing facilities and talking with personnel. As the years passed she made numerous friends among the personnel many of whom were members of the nursing department. All of the nurses who know her have a deep respect for Mrs. Homans, who has given so much of herself to them. Although we will miss her formal and official visits, we are looking forward eagerly to her promised friendly visits in the future. As Director of the School of Nursing and Nursing Service, I salute Mrs. Robert Homans — as a great advisor and a great friend to nurses at McLean."

Thirty-one of 116 applicants were accepted in 1960-61; by comparison 21 of 130 were accepted in 1959-60. One student, a graduate of a Dutch school of Nursing was accepted with advanced credit so that she might qualify for a diploma from the McLean Hospital School of Nursing and thus obtain an educational background needed to advance

in the nursing corps of the World Health Organization from which she is currently on leave of absence.

Selection processes were discussed at length and the Criteria for Student Selection and Admission were revised and adopted. Participation of two faculty members on the Committee on Careers of the Nursing Council of the United Community Services has resulted in several public appearances with students in uniform including the United Fund and Fitness Fair and a career day sponsored by a high school and a community hospital. One thousand recruitment flyers and 300 school bulletins have been circulated to selected high schools, colleges and libraries.

Under the leadership of Mr. Walter Grace, the student association membership has been busy throughout the year. Revision of the Constitution and By Laws of the organization, revision of the Rules and Regulations for the student residences and development of the student handbook were approved by the faculty. Incomplete projects include plans to hard top the tennis court and participation in the proctoring system now under study for fire protection in both residences. Student fund raising has continued. The association financed the attendance of three representatives to attend the National Student Nurses Association convention held in Cleveland, Ohio; paid for a two year magazine subscription "Sports Illustrated" for use in the Men Nurses Home; made a cash contribution to Belmont Family Service for Christmas dinners; and, made financial arrangements for school functions. Other contributions by students have included participation in Christmas and other patient activities; written contributions of school activities which were published in the Newsletter; participation by demonstration of carrying patients at the program in Belmont given for 150 members of the Massachusetts Institute of Fire Department Instructors; assisted in renovating the recreation and kitchen areas in the Men Nurses Home; and, played host to over 1000 student nurses at the annual business meeting of District #5 of the Massachusetts State Council of Student Nurses, when a McLean student, Mr. George B. Guagenty, was elected 2nd vice president of this district group. At the annual meeting of the above organization on the state level, a McLean student, Mr. Robert F. Allen, was elected vice president of the state group.

A public Investiture Service was held in the Samuel Eliot Memorial Chapel in the form of a Nightingale Service. The speaker was Miss Kathleen H. Atto, former Director of the McLean Hospital School of Nursing.

The annual graduation exercises were held in September. Miss Dorothy Mereness, the Director of the Psychiatric Mental Health Nursing Program at New York University School of Education, gave the commencement address. At these exercises the graduating class presented a gift of money to the Annabella MacCrae Scholarship Fund and a portable television set to the School of Nursing to be used by students who live at Higginson House. The usual scholarship awards included for the first time the Lucille C. Pitcher Award for excellence in psychiatric nursing. Lucille C. Pitcher was a charter member of the McLean Hospital Auxiliary organization and the annual award was voted by the membership of the Auxiliary.

The McLean Hospital Nurses Alumni Association have again shown their interest in the school by raising their $300 annual scholarship to an incoming student to $400. The membership also gave the sum of $200 to defray the expenses of the Director of the School of Nursing as a representative to the National League for Nursing Convention program this year.

The complement of the faculty was increased by two positions. With the rise in the number of students in the basic school and the need for follow up by instructors during the evening assignments of both McLean and affiliation students, the position of one evening instructor in psychiatric nursing was approved, but was unfilled at the end of the fiscal year. The approval of the position of Instructor in Medical Surgical Nursing came as a result of a total change in the basic program as well as an urgency for the school to have its own medical-surgical instructor who would be an integral part of the faculty membership and would further integrate these clinical fields with the total program. The arrangement would also assure a more even staffing pattern in that McLean students would be assigned at the home hospital throughout the calendar year making the clinical experience for all students an equitable one as well as assuring more stable care of patients. The appointment as Instructor in Medical Surgical Nursing was made to Mrs. Genevieve M. Fitzpatrick, R.N., a graduate of Massachusetts General Hospital School of Nursing, who holds a B.S. degree from Boston College School of Nursing and has begun matriculation for her Masters degree at the same college. Mrs. Barbara S. Koffsky, R.N., graduate of University of Rochester School of Nursing, was appointed Instructor in Science and Pharmacology to replace Mrs. Eleanor N. Peloquin who resigned during the year. The position of Clinical Intern

in Psychiatric Nursing was filled by the appointment of Miss Helen M. MacLeod, graduate of McLean Hospital School of Nursing in the class of 1961.

In order to improve their professional preparation five faculty members have attended college on a part time basis. Two members utilized the graduate nurse scholarship offered by the hospital. Faculty members have attended and participated in numerous meetings, institutes and work shops as they were offered by various professional organizations, bringing back to the group new methods and ideas for specific and general use in the organization.

The general aims of the faculty for the next year are to strengthen the program in nursing with particular reference to the curriculum through improved integration of medical surgical nursing throughout the program and through improved methods of approach in psychiatirc nursing especially in the senior year, to speed up the recruitment program and to review and revise all administrative practices in the school. The members of the faculty as a group will continue to concern themselves with recommendations for adequate facilities for the hospitalization of students who are ill, and improved living areas. Other plans include the revision of all personnel policies and practices for each position including qualifications, preparation and responsibilities in relationship to salaries and fringe benefits. The approval of recommended salary ranges for faculty members on the instructor level is duly appreciated.

Recommendations to the officers of the hospital for the improvement of the School of Nursing are:

1) that suitable facilities for the care of ill students be provided;
2) that the redecoration of Higginson House be continued into the individual room areas and that the furnishings continue to be replaced until complete and satisfactory;
3) that the redecoration of the Men Nurses Home be continued throughout the building and that the furniture be redecorated or replaced until complete and satisfactory;
4) that the approved faculty position as Clinical Intern in Psychiatric Nursing or as Assistant Instructor in Psychiatric Nursing be continued and that if said position cannot be filled by a McLean graduate, graduates of schools affiliating at McLean may be chosen depending upon suitable qualifications including one year of psychiatric staff nursing experience;

5) that a second Medical Surgical Instructor be employed;
6) that honorariums be considered in the budget for contributions made by professional participants.

The faculty join me in extending to all those who contributed in the operation of the School of Nursing this past year and look forward to a continuation of similar relationships in the coming year.

Respectfully submitted,
MARGARET C. TIBBETTS, R.N.

McLean Hospital

Report of the School of Nursing and Nursing Service

NURSING SERVICE PERSONNEL, YEAR ENDING OCTOBER 2, 1961

	Women	Men	1960-61
Average No. Graduates	59	24	83
Average No. Graduates—*Part time	3	1.5	4.5
Average No. Licensed Practical Nurses	3.7	0	3.7
Average No. Accepted Students	12	10	22
Average No. Preclinical Students	7	14	21
Total	84.7	49.5	134.2
Average No. Psychiatric Aides	37.9	45.6	83.5
Average No. Psychiatric Aides—*Part time	8	2.5	10.5
Total	45.9	48.1	94
Total No. Preclinical Students Admitted	14	17	31
Total No. Students Admitted by Transfer	1	0	1
Preclinical Students Dropped or Resigned	2	0	2
Accepted Students Dropped or Resigned	1	2	3
Total Dropped or Resigned	3	2	5
Students Graduated	9	4	13
Student Veterans Enrolled—P.L. 550	0	6	6

*Expressed in equivalent of full time

NURSING SERVICE PERSONNEL, OCTOBER 2, 1961

	Women	Men	Total
Graduate Nurses			
Full time	59	23	82
Part time	9	1	10
Total	68	24	92
Licensed Practical Nurses	3	0	3
McLean Hospital and Affiliating Student Nurses			
Accepted Students	11	26	37
Preclinical Students	14	17	31
Affiliating Students from Other Schools	41	0	41
Total	66	43	109
Total Nursing Personnel	137	67	204

REPORT OF THE NURSING DEPARTMENT

	Women	Men	Total
Psychiatric Aides			
Full time	44	44	88
Part time	10.1	2	12.1
Total	54.1	46	100.1
McLean Students on Affiliation			
Massachusetts General Hospital	8	21	29
The Children's Hospital	3	0	3
Boston Lying-in Hospital	0	5	5
Total	11	26	37
Affiliating Students from Other Schools			
Who Completed Course 1960-1961:			
Massachusetts General Hospital	105	0	105
The Children's Hospital	31	0	31
M.G.H. Radcliffe College Program	0	0	0
Simmons College School of Nursing	24	0	24
University of Massachusetts School of Nursing	7	0	7
Graduates	11	0	11
Total	178	0	178

Report of the
Nursing Service Education Department

Staff Education

In October, 1960 the Department of Nursing Service Education was created to provide continuous educational opportunities for all staff nurses and aides employed in the hospital.

Psychiatric nursing in the United States and at McLean becomes more complex in nature as we move from custodial to therapeutic care. Therapeutic care of the psychiatric patient demands that every nurse and aide possess knowledge and skills which will enable them to deal effectively with individual patients and groups of patients. Each nurse and aide are an integral part of the total milieu and can significantly contribute to or decrease the patient's length of hospitalization by the kind of nursing care they provide. To facilitate the best nursing care possible, it is highly desirable that all nurses increase their knowledge and skills beyond the education received in their basic nursing programs. Men and women employed as psychiatric aides have no opportunity of learning psychiatric nursing unless it is provided by the hospital. Since a major portion of day-to-day nursing care is provided by psychiatric aides, it is imperative that those persons employed for psychiatric aide work receive education commensurate with their duties.

In view of these objectives for improving patient care, several approaches were utilized to assist nurses and aides gain additional skill in psychiatric nursing. The first major program established was the Psychiatric Aide Program. Mrs. Audrey Miller, R.N. was transferred from Nursing Service to the Nursing Service Education Department to conduct this program. This three-month course consists of 68 hours of psychiatric nursing instruction and 412 hours of closely supervised, assigned clinical work. As of October 1, 1961, thirteen aides have completed the course. Six persons are enrolled for the November class. Four courses have been conducted. Though this is a relatively small number in view of the needs of the hospital, it promises to attract younger persons in allied professions enrolled in collegiate academic programs. To those persons who would make this a career, it offers a basis for a stabilized position based on academic principles. It is hoped

that it will be possible to increase the content and length of the educational experience in the future to provide a permanent core of psychiatric aides for continuity and stability to patient care.

An article written by Mr. James Hope, psychiatric aide, entitled "Experience Teaches Aide How Much Relationships Count" was published in the *Correspondent,* Summer, 1961. The *Correspondent* is a national magazine sponsored and published by the National League for Nursing.

For the graduate nurses, bi-weekly meetings were conducted for nursing supervisors. Various topics were discussed but mainly included were the role of the supervisor in regard to nursing care, teaching responsibilities, plus counseling and guidance of personnel. As a result of these discussions, a form and guide for the evaluation of Head Nurses and Staff Nurses was developed. This form provides a written periodic, comprehensive evaluation of an individual nurse to more accurately assess his/her abilities and potentials for increased responsibility and promotion, or to delineate areas in which the nurse needs further assistance.

All other staff nurses met bi-weekly for lecture-discussion classes. The discussions centered mainly around psychiatric nursing problems and approaches to various types of behavior. Several discussions centered around administrative functions, group conferences, relationship with physicians and current theoretical concepts of psychiatric care.

Periodic individual consultations were given to supervisors, head nurses, staff nurses and aides as requested, relative to administrative, personnel or nursing problems.

Mrs. Harriet DeHoff, R.N., B.S., instructor, has been employed to begin work October 2, 1961. Mrs. DeHoff will be primarily responsible for periodic orientation courses for newly employed nurses at the hospital. Other duties include consultation to the nursing staff of individual wards, and assist with other educational programs in this department.

A full-time secretary was employed in August 1961 because of the large amount of materials needed for the various programs described.

Collegiate Programs

In January and February 1961, two three-week courses in Head Nursing were conducted by the Coordinator for twenty-one Simmons College senior students at McLean. Simmons College School of Nursing con-

tinues to send their students to McLean for twelve weeks of experience in psychiatric nursing. Mrs. Dorothea Dutra, Assistant Professor of Nursing, Simmons College, conducted the courses. Close affiliation was maintained with the Coordinator of Nursing Service Education for facilitation of clinical experiences provided the students. A total of twenty-five students were enrolled.

Five Radcliffe College-Massachusetts General Hospital Coordinated Nursing Program senior students were provided a 12-week psychiatric nursing experience by the Coordinator. Close association with the Massachusetts General Hospital faculty was maintained throughout the year. Additional instruction was provided junior students at the Massachusetts General Hospital enrolled in the nursing program.

A single male student from Syracuse University was given a 12-week experience in nursing administration to meet the requirements of the Master's Degree program at the University.

The University of Massachusetts sent eight students to McLean for a 12-week experience in psychiatric nursing, and seven students for an eight-week experience in 1960-61. The University sent Mr. Edward McGinnis, Instructor-Psychiatric Nursing, to conduct the courses. After many years of affiliation with McLean, it became necessary for the University to provide a psychiatric nursing experience located geographically nearer the University. Thus, our contract was terminated, but with the understanding that we would again provide clinical experience for their students, if their present plan was not satisfactory.

Other Activities During 1961

The Coordinator served as consultant to the Veterans Administration Nursing Service, Central Office in Washington, D.C. Two meetings were held in 1961. Also, one day per month was spent in consultation to the Veterans Administration Hospital, Nursing Service, in Bedford, Massachusetts.

A workshop on Advanced Psychiatric Nursing will be conducted at the Illinois State Psychiatric Institute, Chicago, Illinois in November 1961.

Publications: Lewis, Garland and Marguerite Holmes. Meddling with Emotions. *Nursing Outlook,* July, 1961.

Lewis, Garland. Some Problems of Semantics in a Specialty. *Nursing Outlook,* August, 1961.

Lewis, Garland, Marguerite Holmes and Fred Katz. *An Approach to Education of Psychiatric Nursing Personnel.* National League for Nursing, 1961.

My staff and I wish to express our appreciation for the interest and cooperation given by Miss Tibbetts and members of the nursing staff. Without their assistance, our programs could not have been established. Specific thanks are given to the physicians who participated in the collegiate programs of nursing students.

Respectfully submitted,
GARLAND K. LEWIS, R.N., M.N.
Coordinator of Nursing Education

Report of McLean Hospital Auxiliary

AFTER a year of existence, the McLean Hospital Auxiliary looks forward with high optimism to fulfilling the purpose for which it was organized, namely, to render service to the hospital by furthering public relations, helping financially, and carrying on special projects.

The board is comprised of fourteen able and loyal persons, most of whom come from the community. The hospital administrator and a hospital volunteer are also included on the board. There are three or four meetings a year, and the board meets every month.

Membership has exceeded expectations, and now numbers 111, including five life members and one honorary member, Mrs. Ralph Lowell.

Membership in the Massachusetts Hospital Association has made meetings and workshops available which have been helpful and instructive to board members. Attendance at the meetings of the Co-ordinating Committee of the Massachusetts General Hospital provides periodic communication with the other women's organizations operating within the larger hospital.

A small pre-planning committee brought the idea of the Auxiliary into organizational form. Five meetings of the Auxiliary have been held to date, the first of which was held on January 16, 1961. Programs, all of which utilized the talents and generosity of the professional staff covered such subjects as, the patient from admission to discharge, the volunteer program, the proposed rehabilitation center, the Arlington School at McLean, and a panel entitled "A Patient Comes to McLean". The panel meeting which was in effect a membership drive was held in connection with Mental Health Week, and was attended by 130 persons.

To help acquaint the community with McLean, the Auxiliary has held three tours of the hospital, one of which was part of a general meeting. There were much appreciated, and more will be held as the demand indicates.

During one week in the fall, the Auxiliary sponsored seven community teas, four in Belmont and one each in Newton, Needham, and Lexington. A McLean psychiatrist spoke at each tea about McLean and the treatment of mental illness. These successful teas brought such re-

ward in public relations and understanding of the hospital that they will be continued in the spring.

The servicing of the patients' store was begun in October by the Auxiliary and several members working there. Orientation of workers was well under way when it was interrupted by the disastrous fire in the East Occupational Therapy Building. Although this fire set the Auxiliary back in our planning for the opening of the store, hopes are high for an early annexing of the store by the Auxiliary.

Plans are underway for a money-raising project, the proceeds of which will go toward establishing a nursing scholarship. This project will consist of an Auction in conjunction with a Strawberry Festival to be held on the McLean grounds.

The Lucile Pitcher Memorial Award was established in June in memory of our first membership chairman, Mrs. Robert Pitcher, who was also a member of the pre-planning committee and a former hospital volunteer. At the graduation of the McLean Hospital School of Nursing in September, this award was presented to Miss Petrea Wessman for "excellence in psychiatric nursing".

Some Auxiliary projects which will involve patient help include the redecoration of the employee's lounge, and the collection, distribution and replenishment of magazines on appropriate wards. Books and magazines have been collected for the library of the Arlington School. The staff of the school bought a dozen books with money appropriated by the Auxiliary.

A welcoming committee wrote informational letters to newly appointed members of the professional staff to help them with their move into this community. In addition, this committee is exploring with the wives of the new residents ways in which they would like to help the hospital through the Auxiliary.

In presenting the idea of McLean Hospital to a wide variety of active persons in the community, the Auxiliary has found that there is a deep ignorance in Belmont and nearby towns concerning McLean, its services and facilities. The Auxiliary had found that people are becoming increasingly alert to the problems of mental illness, and are eager to learn more about it.

The Auxiliary wishes to express deep gratitude to the McLean Hospital family for the many ways in which they have helped us to begin our existence, especially to the professional and administrative staff, and the McLean Committee.

CAROLYN W. HOWARD (Mrs. Paul M.)
President

Directory

A difficulty encountered in the yearly revision of this Directory is the frequent failure of individuals whose names appear herein to send us notification of changes of address or other pertinent data. We *urge* you to cooperate with us and send promptly any such changes either to our Secretaries' Office or to the Archives Department of the Hospital.

MEMBERS OF HOSPITAL STAFF, PAST ASSISTANT DIRECTORS, ALUMNI, AND PAST RESIDENTS

as of February 1962, including subsequent appointments received, effective up to and including July 1, 1962

Letters in small type, following the names, indicate the special work of individuals:—

a.: assistant
admin.: administrative; administrator
an.: anesthetist
anthropol.: anthropologist
assoc.: associate
attend.: attending
b.: bacteriologist
biochem.: biochemist
biol.: biologist
biophys.: biophysicist
c.: chief of service
c.r.p.: chief resident physician
c.r.s.: chief resident surgeon
cardiol.: cardiologist
chem.: chemist
cons.: consultant; consulting
d.: dermatologist
dir.: director
dn. s.: dental surgeon
e.: engineer
exec. a.: executive assistant
exec. o.: executive officer
gen. dir.: general director
hon. p.: honorary physician
hon. s.: honorary surgeon
h.p.: house physician
h.s.: house surgeon
immunol.: immunologist
l.: laryngologist
n.: neurologist
neurophysiol.: neurophysiologist
n.p.: neuropathologist
n.s.: neurosurgeon
obst.: obstetrician
oph.: ophthalmologist
oral s.: oral surgeon
otol.: otologist
otolar.: otolaryngologist
p.: physician
path.: pathologist
pediat.: pediatrician
pharm.: pharmacologist
physiol.: physiologist
prin.: principal
psychiat.: psychiatrist
psychol.: psychologist
r.: radiologist
res. a.: research assistant
res. assoc.: research associate
r.p.: resident physician
r. psychol.: resident psychologist
r.s.: resident surgeon
s.: surgeon
sc.res.a.: scientific research assistant
sc.res.assoc.: scientific research associate
soc.: social
sociol.: sociologist
soc. sc.: social scientist
supt.: superintendent
u.: urologist
virol.: virologist

Italics indicate to what service of the Hospital the individual belongs:—

An.: Anesthesia
Anat.: Anatomy
B.: Bacteriology
Bd. of Cons.: Board of Consultation
Biochem.: Biochemistry
Biochem. Res.: Biochemical Research
Biol.: Biology
Biomechan.: Biomechanics
Biophys.: Biophysics
Biophys. Res.: Biophysical Research
B.M.: Baker Memorial
C.: Children's Service
Cardiol.: Cardiology
Chem.: Chemistry
Clin. Physiol.: Clinical Physiology
C.M.: Children's Medical

Contag. Dis.: Contagious Diseases
D.: Dermatology
Dn.M.: Dental Medicine
Dn.: Dentistry
E.M.: East Medical
E.S.: East Surgical
Ed.: Education
Gyn.: Gynecology
Immunol.: Immunology
Int. M.:Internal Medicine
L.: Laryngology
M.: Medicine
(*McL.*): McLean Hospital
M.G.H. Clin.: M.G.H. Clinics
N.: Neurology
Neurophysiol.: Neurophysiology
N.P.: Neuropathology
N.S.: Neurosurgery
Nurs. Serv.: Nursing Service
Obst.: Obstetrics
O.P.D.: Out-Patient Department
Oph.: Ophthalmology; Ophthalmic
Or.: Orthopedics
Otol.: Otology
Otolar.: Otolaryngology
Path.: Pathology
P.H.: Phillips House
Pediat.: Pediatrics
Pharm.: Pharmacology
Phys. M.: Physical Medicine
Physiol.: Physiology
Prev. M.: Preventive Medicine
Psychiat.: Psychiatry
Psychol.: Psychology
R.: Radiology
Res.: Research
S.: General Surgical Services
Sc. Res.: Scientific Research
S.M.: South Medical
S.N.: School of Nursing
Soc. Anthropol.: Social Anthropology
Soc. Sc.: Social Sciences
Soc. Serv.: Social Service
S.S.: South Surgical
Syph.: Syphilology
T. Dis.: Tropical Diseases
Thd. S.: Third Surgical
T.M.: Tropical Medicine
Traum. S.: Traumatic Surgery
U.: Urology
W.M.: West Medical
W.S.: West Surgical

Supplementary list of abbreviations frequently used in this Directory:—
clin.: clinical
H.M.S.: Harvard Medical School
Inst.: Institute
j.: junior
Mass. E. & E. Inf.: Massachusetts Eye and Ear Infirmary
M.G.H.: Massachusetts General Hospital
M.I.T.: Massachusetts Institute of Technology
res.: research
R.N.: Registered Nurse
sc.: scientific
sr.: senior
v.: visiting
Vet. Adm. Hosp.: Veterans Administration Hospital

Addresses are in Boston unless stated to be elsewhere, and are in Massachusetts when no State is indicated.

AARONSON, L. D., a. *D.*
166 Wheeler Ave., Edgewood, R. I.
ABBOTT, J. A., a.n.; a.r.p. *Psychiat.* 1935 M. G. H.
Abbott, L. C., *Or.* 1916
Univ. of California Hosp., San Francisco, Calif.
Abbott, W. M., *S.* M. G. H.
Abi-Torbey, K., r.s. *U.* 1962
Immeuble Tabet, rue Abdel Wahab el Inglizi, Beirut, Lebanon
ABRAMOWICZ, M., a.r.p. *C.* M. G. H.
Acheson, G. H., *W.M.* 1939
Univ. of Cincinnati Coll. of Med., Cincinnati, Ohio
ACKERMAN, I. P., a.p. (*M.* 1951); r.p. 1955 226 Marlborough
ACKROYD, F. W., a.r.s. M. G. H.
ADAMS, F. D., *Bd. of Cons.* (*W.M.* 1918) 226 Marlborough
Adams, H. D., *E.S.* 1932; r.s. *E.S.* 1934 Lahey Clinic

ADAMS, JOHN, Jr., assoc. d.
704 Huntington Ave.

ADAMS, JOHN E., a.r.p. *Path.*
M. G. H.

Adams, Ralph H., *W.S.* 1935; r.s. *E.S.* 1939
Huggins Hosp., Wolfeboro, N. H.

Adams, Raymond A., r.p. *N.* 1951
Med. Coll. of Virginia, Richmond, Va.

ADAMS, RAYMOND D., c. *N.* and n.p.; r.p. *N.* 1939
M. G. H.

Adamson, G. L., r.p. *N.* 1930
Winnipeg Clinic, Winnipeg, Manitoba, Canada

ADELSON, W. J., a. *Pediat.*
Boston Post Rd., S. Sudbury

ADLER, M. H., attend. psychiat. (*McL.*)
130 Washington, Newton

Adler, S., sr.r.s. *Or.* 1959
4105 Silver, Albuquerque, N. M.

AESCHLIMAN, BARBARA L., a. attend. psychiat. (*McL.*)
McLean Hosp., Belmont

AGARD, E. T., a. physicist *R.*
M. G. H.

Ahnlund, N. W., r.s. *Or.* 1943
6th and Santa Clara, San Jose, Calif.

AISENBERG, A. C., a.p.
M. G. H.

ALBERT, J., clin. assoc. *D.;* r.p. *D.* 1960
95 Lincoln, Framingham

Albright, E. C., *W.M.* 1942
University Hosp., Madison, Wis.

ALBRIGHT, F., *Bd. of Cons.* (*W.M.* 1926)
M. G. H.

Albuquerque, P. F., r.s. *U.* 1944
rua Assembléia 51, Rio de Janeiro, Brasil

Alexander, W. H., *W.S.* 1922 and *Thd.S.* 1923
Commercial National Bank Bldg., Iron Mountain, Mich.

Allen, D. W., *M.* 1955; a.r.p. 1956
M. G. H.

ALLEN, H. F., assoc.s. *Oph.* (*W.S.* 1943)
200 Beacon

Allison, C. R., *W.M.* 1938; a.r.p. 1940
15 Prince, Rochester, N. Y.

Alper, J. M., *E.M.* 1935
1185 Park Ave., New York, N. Y.

ALPERS, D. H., a.r.p. (*M.* 1961)
M. G. H.

ALPERT, D. R., a.s. *Oph.*
1101 Beacon, Brookline

Alston, E. F., *Path.* 1944; a.r.p. *Path.* 1945
2305 Van Ness Ave., San Francisco, Calif.

Alt, R. E., *W.S.* 1933
1 Monument Sq., Beverly

ALTSCHULE, M. D., dir. *Int. M.* and *Res. Clin. Physiol.* (*McL.*)
McLean Hosp., Belmont

AMES, A., III, a. to gen. dir. *Res. and Ed.;* assoc. biochem. *N.S.*
M. G. H.

Amick, A. F., *M.* 1957; a.r.p. 1958
3900 Elliot Ave., Minneapolis, Minn.

Andersen, E. W., a.r.p. *An.* 1948
Enighedsvey 7, Chl., Copenhagen, Denmark

ANDERSON, E. E., clin. assoc. *C.;* a.r.p. *C.M.* 1960
84 Ocean Ave., Bass River

Anderson, Erna G., r.p. *C.M.* 1943
Med. Dept., Eastman Kodak Co., 1669 Lake Ave., Rochester, N. Y.

Anderson, H. C., *Path.* 1959
Memorial Hosp., 444 E. 68th, New York, N. Y.

Anderson, R. L., *Or.* 1927
1208 Kanawha Blvd., East, Charleston, W. Va.

Andrew, N. W., r.p. *An.* 1956
Boston City Hosp.

ANGELINI, H. D., a.s. *Otolar.*
3 Seaward Ave., Wellesley Hills

ANGLEY, J. C., a. *M.*
School, Bryantville

ANNINO, D. J., a. *Pediat.*
175 Washington, Winchester

Anthonisen, Margaret R., r.p. *Psychiat.* (*McL.*) 1934
Mary Hitchcock Memorial Hosp., Hanover, N. H.

Anthonisen, N. L., r.p. *Psychiat.* (*McL.*) 1932
Vet. Adm. Hosp., White River Junction, Vt.

Appel, S. H., *M.* 1961
Mount Sinai Hosp., New York, N. Y.

Aprahamian, H. A., a.r.p. *An.* 1956
Grace-New Haven Community Hosp., New Haven, Conn.

Aranas, A. L., r.p. *Psychiat.* (*McL.*) 1961
Ste. Anne's Hosp., Quebec, Canada

ARELLANA, R. A., O.P.D. r.p. *C.*
M. G. H.

Arnason, B. G. W., a.r.p. *N.* 1959
M. G. H.

ARNDT, K. A., a.r.p. *D.* M. G. H.
Arnstein, A. R., *M.* 1956; a.r.p. 1957
838 Fremont, Menlo Park, Calif.
ARONOW, S., a. physicist *M.* M.G.H.
ARONSON, J. A., a. *Psychiat.*
50 Beacon
Arrowood, Julia G., r.p. *An.* 1936
Harlan Memorial Hosp., Harlan, Ky.
Arthur, R. J., *C.M.* 1952
U.S. Naval Hosp., Oakland, Calif.
Arzimanoglu, A. A., a.r.s. *Or.* 1952
1 Neofytoy Vamva, Athens, Greece
ASBURY, A. K., a.r.p. *Path.* (*M.* 1959); a.r.p. 1960; a.r.p. *N.* 1961
M. G. H.
ASH, H. L., r.s. *Dn. M.* (*Dn.* 1960)
M. G. H.
Aster, R. H., *M.* 1958; a.r.p. 1959
National Inst. of Health,
Bethesda, Md.
Atherton, L. D., r.s. *U.* 1952
321 W. Broadway,
Louisville, Ky.
ATKINS, L., a. path.; r.p. *Path.* 1955
M. G. H.
Atsatt, R. F., *Or.* 1926
88C Thacher Rd., Ojai, Calif.
Atwood, W. G., *W.S.* 1921
151 Rock, Fall River
AUB, J. C., hon. p. (*E.M.* 1915); h.p. *E.M.* 1917 M.G.H.
AUFRANC, O. E., v.s.*Or.* (*Or.* 1938); r.s. *Or.* 1939 266 Beacon
AUSTEN, K. F., a. *M.* (*M.* 1955); c.r.p. 1961 M. G. H.
Austen, W. G., *S.* 1956; r.s. 1960
National Inst. of Health,
Bethesda, Md.
Austin, Grace L., r.p. *D.* 1930
25 Albert Ct., Kensington S.W.7,
London, England
AUSTIN, R. C., clin. assoc. *S.* (*S.* 1951); r.s. 1956
Concord Med. Center, Concord;
M. G. H.
Averill, J. H., *M.* 1947
264 Elm, Northampton
AYER, J. B., hon. p.; cons.n. (*McL.*)
319 Longwood Ave.
Ayers, W. B., *W.S.* 1943
1554 Northern Blvd.,
Manhasset, Long Island, N. Y.
Ayres, S., Jr., *W.M.* 1920
2007 Wilshire Blvd.,
Los Angeles, Calif.
BACHMAN, J., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
Bacon, W. B., a.r.p. *Path.* 1951
S. Hamilton
Badal, D. W., r.p. *Psychiat.* 1942
11328 Euclid Ave., Cleveland, Ohio
Baden, H. P., a.r.p. *D.* 1960 M. G. H.
BADGER, T. L., *Bd. of Cons.* (*E.M.* 1928) 264 Beacon
Bagg, E. P., Jr., *E.M.* 1913
207 Elm, Holyoke
Bailey, D. W., *C.M.* 1959
River, Norwell
Bakay, L., sr.r.s. *N.S.* 1951
Edward J. Meyer Memorial Hosp.,
Buffalo, N. Y.
BAKER, DONALD V., Jr., clin. assoc. *S.* (*E.S.* 1943) 40 Broad
BAKER, DUDLEY M., a.r.s. *Or.*
M. G. H.
BAKER, E. P., Jr., a.r.s. *N.S.* M. G. H.
Baker, G. P., Jr. *M.* 1958; r.p. 1961
M. G. H.
BAKER, M. P., p. (*E.M.* 1930)
262 Beacon
Baker, R. L., r.p. *N.* 1943
1020 S.W. Taylor, Portland, Oreg.
BAKER, WILLIAM H., assoc. p.
M. G. H.
Baker, William J., *W.S.* 1943
724 Main, Laconia, N. H.
BALAZS, E. A., biochem. *Oph.*
30 Chambers
BALBONI, G. M., hon. p.
78 Mount Vernon
BALBONI, V. G., a.p. (*W.M.* 1942)
M. G. H.
BALCH, F. G., Jr., *Bd. of Cons.* (*E.S.* 1925) 1180 Beacon, Brookline
Balfour, D. C., Jr., *E.M.* 1943
Las Encinas Hosp., Pasadena, Calif.
BALIUS, E. F., a.r.p. *An.* M. G. H.
Ball, R. E., r.p. *Psychiat.* (*McL.*) 1960
Toronto Psychiatric Hosp.,
Toronto, Canada
BALLANTINE, H. T., Jr., assoc. v.n.s. (*W.S.* 1939); a.r.s. *W.S.* 1941 and *N.S.* 1941 M. G. H.
Ballard, F. B., a.r.p. 1958
Med. Arts Bldg., Chattanooga, Tenn.
Bally, P. R., a.r.p. 1956
Medizinische Universitätsklinik,
Kantonsspital, Zürich, Switzerland
BALOGH, K., Jr., dir. *Otolar. Path.* (*E. & E.*) Mass. E. & E. Inf.
Bandeian, Alice M., *An.* 1943; a.r.p. *An.* 1944 210 Pine, Holyoke
Bandler, B., r.p. *Psychiat.* 1941
Boston Univ.-Mass. Memorial
Hosp. Med. Center

Banker, Betty Q., a.r.p. *N.P.* 1954
Children's Med. Center
Banks, H. H., a.r.s. *Or.* 1952
Peter Bent Brigham Hosp.
Banks, R., Jr., *E.S.* 1943
106 S. Enota Dr., Gainesville, Ga.
BARBOUR, JOSEPHINE C., c. *Soc. Serv.* M. G. H.
BARINGER, J. R., a.r.p. *N.* (*M.* 1960); a.r.p. 1961 M. G. H.
BARKER, R. H., clin. assoc. *Obst.* (*W.S.* 1937) 1101 Beacon, Brookline
BARLOW, JOHN F., a.r.p. *Path.* M. G. H.
BARLOW, JOHN S., neurophysiol. *N.* M. G. H.
Barlow, Joseph J., r.p. 1955
83 Hammondswood Rd., Chestnut Hill
BARNES, B. A., a.s. (*W.S.* 1945); a.r.s. 1952 M. G. H.
Barnett, C. G., *M.* 1954
384 Post, San Francisco, Calif
Barnett, T. B., *M.* 1950
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C
BARNUM, F. G., Jr., a. *M.* (*W.S.* 1945); j.r.s. 1946 1776 Beacon, Brookline
BARR, J. S., c. *Or.* (*Or.* 1929) M. G. H.
BARRETT, P. Van D., a.r.p. (*M.* 1961) M. G. H.
Barretto, O. de F., *An.* 1944
rua Armando Penteado 356 (Pacaembú), São Paulo, Brasil
BARRIE, J. R., a.r.s. (*S.* 1961) M. G. H.
Barrow, D. W., *E.S.* 1937
1310 E. Fox Lane, Milwaukee, Wis.
Barrows, L. J., r.p. *N.* 1952; r.p. *N.P.* 1953
Hosp. of Univ. of Pennsylvania, Philadelphia, Pa.
BARRY, H., Jr., assoc. psychiat.; r.p. *Psychiat.* 1944 M. G. H.
Barry, Richard M., a.r.p. 1957
Memorial Center for Cancer and Allied Dis., 444 E. 68th, New York, N. Y.
BARRY, RT. REV. ROBERT P., *Trustee* 71 Warner, W. Somerville
Barsh, L. I., *Dn. M.* M. G. H.
Barss, T. P., a.r.p. *An.* 1950
332 Windsor Ave., Medford, Oreg.
Barth, T. A., a.r.s. *Or.* 1957
2420 N. California, Stockton, Calif.
BARTLETT, M. K., v.s. (*W.S.* 1931) M. G. H.
Bartlett, W. M., *C.M.* 1927
125 Michigan Ave., Decatur, Ga.
Barton, L. G., Jr., *E.S.* 1914
132 Court, Plattsburg, N. Y.
Barton, T. C., a.r.s. 1960
Boston Lying-in Hosp.
Bate, J. T., r.s. *U.* 1925
301 W. Ormsby Ave., Louisville, Ky.
Batt, R. C., r.p. *R.* 1940
83 Park, Glens Falls, N. Y.
Battat, F.A., a.r.s. *Or.* 1961
Children's Med. Center
BATTIT, G. E., a. *An.;* c.r.p. *An.* 1961 M. G. H.
Baue, A. E., *S.* 1955; r.s. 1961
620 Jefferson, St. Charles, Mo.
Bauer, F. L., *Path.* 1941
military service
BAUER, W., c. *M.;* r.p. *W.M.* 1927 M. G. H.
Baumgartner, D. A., Jr., a.r.s. 1961
15660 Oakhill Rd., E. Cleveland, Ohio
Bautista, Florosa A., a.r.p. *C.M.* 1958
Vet. Memorial Hosp., Quezon City, P. I.
Baxter, C. F., *W.S.* 1944; sr.r.s. *W.S.* 1946 Med. Arts Bldg., Sarasota, Fla.
Beaman, G. B., r.p. *Psychiat.* (*McL.*) 1936 63 Nichols Rd., Cohasset
Beck, Kathryn S., r.p. *Psychiat.* (*McL.*) 1962 95 Coolidge, Brookline
BECK, W. S., a.p. M. G. H.
Bedell, R. F., *C.M.* 1958
Scarswold Apt., Scarsdale, N. Y.
Bedell, W. C., *E.S.* 1945
168 S. Cherry, Poughkeepsie, N. Y.
BEECHER, H. K., c. *An.* (*W.S.* 1934); a.r.s. *W.S.* 1936 M. G. H.
Beeman, C. B., *Path.* 1934
515 Lakeside Dr., Grand Rapids, Mich.
BEETHAM, W. P., s. *Oph.*
108 Bay State Rd.
BEHRINGER, G. E., a.s. (*W.S.* 1946); a.r.s. 1952 266 Beacon
BELL, E., cons. *Biophys. N.S.* M. G. H.
Bell, G. O., *W.M.* 1936
Lahey Clinic
Bell, James P., a.r.s. *Or.* 1959
McBride Clinic, 605 N.W. 10th, Oklahoma City, Okla.
Bell, John F., *Or.* 1941
115 Colchester Ave., Burlington, Vt.

Bell, John W., *E.S.* 1946
Vet. Adm. Hosp., Seattle, Wash.

BELL, N. W., a. sociol. and c. *Soc. Sc.* (*McL.*) McLean Hosp., Belmont

BELLINGER, M. J., clin. assoc. *S.*
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BELSASSO-PRISTER, G., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1962
McLean Hosp., Belmont

BENDA, C. E., a. psychiat.
111 Pleasant, Arlington

Bendheim, O. L., *W.M.* 1938
5051 N. 34th, Phoenix, Ariz.

BENDIXEN, H. H., an. M. G. H.

BENEDICT, E. B., *Bd. of Cons.* (*W.S.* 1926) M. G. H.

BENEDICT, PATRICIA H., a. *M.* M. G. H.

Bengle, A. L., Jr., *E.S.* 1947; c.r.p. *An.* 1951 2217 Webster,
San Francisco, Calif.

Bennett, C. B., *Or.* 1923
1122 University Ave., Berkeley, Calif.

BENNETT, DORIS R., clin. assoc. *C.* (*C.M.* 1951); a.r.p. *C.M.* 1952
340 Pleasant, Malden

Bennett, Lillian F., *C.M.* 1946
2299 19th Ave., San Francisco, Calif.

Bennett, W., *M.* 1948; a.r.p. 1949
340 Pleasant, Malden

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Berg, H. W., r.p. *D.* 1936
Brigham Hall Hosp.,
Canandaigua, N. Y.

Berg, R. L., *M.* 1944; c.r.p. 1950
Strong Memorial Hosp.,
Rochester, N. Y.

Berkheimer, G. A., r.s. *Or.* 1941
325 N. Front, Harrisburg, Pa.

Berlow, S., *C.M.* 1951; c.r.p. *C.M.* 1954 710 E. Silver Spring Dr.,
Milwaukee, Wis.

BERNSTEIN, N. R., a. psychiat.; a.r.p. *Psychiat.* 1954 M. G. H.

BEUSCHER, RUTH B., a. attend. psychiat. (*McL.*)
1419 Beacon, Brookline

Bickley, D. W., *W.M.* 1936
2001 Kimball Ave., Waterloo, Iowa

Bidwell, R. LeR., II, *E.S.* 1943; r.s. *N.S.* 1949
31 Bramhall, Portland, Maine

Bienvenu, L. J., a.r.p. *D.* 1951
1426 Elm, Manchester, N. H.

Bigelow, F. S., *E.M.* 1943; a.r.p. 1947
Boston City Hosp.

Billig, H. E., Jr., *Or.* 1935
Billig Clinic, 139 S. Alvarado,
Los Angeles, Calif.

BINDER, S. C., a.r.s. (*S.* 1961) M. G. H.

BINGER, C. A. L., hon. p. (*E.M.* 1915) M. G. H.

Binion, J. T., *M.* 1953; a.r.p. 1954
3707 Gaston Ave., Dallas, Tex.

BINSTOCK, W. A., a. attend. psychiat. (*McL.*) 51 Brattle, Cambridge

BIRD, K. T., a.p. (*M.* 1944) M. G. H.

Bisgard, J. D., *W.S.* 1924
44th and Farnum, Omaha, Nebr.

Bishop, R. C., *M.* 1945; a.r.p. 1949
Simpson Memorial Inst.,
Ann Arbor, Mich.

Bixby, H. I., *W.S.* 1924
Sippewissett Rd., Falmouth

Black, P. H., *M.* 1957; r.p. 1961
National Inst. of Health,
Bethesda, Md.

Blade, W. R., r.p. *R.* 1958
1510 Seabright Ave.,
Santa Cruz, Calif.

Blades, J. F., *N.S.* 1937
810 W. Franklin, Richmond, Va.

BLAND, E. F., cons. v.p. (*E.M.* 1929) M. G. H.

BLANE, H. T., assoc. psychol. M. G. H.

BLANK, I. H., assoc. biochem. *D.* M. G. H.

BLENNERHASSETT, J. B., a.r.p. *Path.* M. G. H.

Bliss, H. A., *M.* 1945; a.r.p. 1947
Univ. of Illinois Med. Sch.,
Chicago, Ill.

Bloch, K. J., r.p. 1961
New York Univ. Sch. of Med.,
New York, N. Y.

Block, G. L., r.s. *U.* 1950
Doctor's Bldg., Cincinnati, Ohio

Blodgett, F. M., *C.M.* 1946; c.r.p. *C.M.* 1950
Yale Univ. Sch. of Med.,
New Haven, Conn.

Blodgett, W. H., *Or.* 1940
603 Kales Bldg., Detroit, Mich.

Bloomberg, W., r.p. *N.* 1931
State Office Bldg., Hartford, Conn.

Bloomer, E., *E.S.* 1917
22340 Michigan Ave.,
Dearborn, Mich.

Bloomfield, D. K., r.p. 1957
Western Reserve Univ. Sch. of Med., Cleveland, Ohio
Blunden-Morris, Dulcie E., a.r.p. *An.* 1953 306 Patterson Ct., Takoma Pk., Md.
BOCK, A. V., hon. p. (*W.M.* 1917); sr.h.p. *W.M.* 1924
15 Holyoke, Cambridge
Boger, W. P., a.r.p. 1942
Norristown State Hosp., Norristown, Pa.
BOHRER, S. P., r.p. *R.* (*S.* 1959) M. G. H.
Boivin, M. J., a.r.p. *An.* 1961
military service
Boller, C., *E.M.* 1929
267 Alexander, Rochester, N. Y.
BONNER, FRANCES J., a. psychiat.
160 Lake Ave., Newton Centre
Boone, J. A., *C.M.* 1934
Medical College Hosp., 55 Doughty, Charleston, S. C.
BOOTH, N. A., a. oral s. 82 Day, Norwood
Bora, F. W., Jr., sr.r.s. *Or.* 1961
15 Hannum Dr., Ardmore, Pa
Borden, R. P., *W.S.* 1914
Langley, British Columbia, Canada
Bornstein, A. M., a.r.p. *Path.* 1960
2319 Woodford Pl., Louisville, Ky.
BORNSTEIN, D. L., r.p. M. G. H.
Bornstein, I. D., a.r.p. *D.* 1961
Vet. Adm. Hosp., Downey, Ill.
BORUCHOFF, S. A., a. *Oph.*
192 Bay State Rd.
Bosco, H. F., *Dn.* 1946
300 Main, New Britain, Conn.
Boutwell, H. K., *E.M.* 1905
201 St. Paul, Brookline
Bowden, L., *E.S.* 1941; a.r.s. 1942
177 E. 79th, New York, N. Y.
Bowditch, H., *W.M.* 1911
12 Pine, Peterborough, N. H.
Bower, W. H., r.p. *Psychiat.* (*McL.*) 1949 Colorado State Hosp., Pueblo, Colo.
Boyden, A. M., *W.S.* 1934
1216 S. W. Yamhill, Portland, Oreg.
Boyes, J. H., *Path.* 1930
1401 S. Hope, Los Angeles, Calif.
BRACE, L. D., *Trustee* 67 Milk
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1180 Beacon, Brookline
BRADY, F. W., a. *Otolar.*
Mass. E. & E. Inf.
BRAGG, R. L., a. *Psychiat.*
104 Chestnut
BRAILEY, A. G., *Bd. of Cons.* (*E.M.* 1930) 1180 Beacon, Brookline
BRAMAN, CONSTANCE L., a. to gen. dir. *P.H.* (*S.N.* 1932) M. G. H.
Brandstrup, N. E., a.r.p. *C.M.* 1959
8 Juliane Mariesvej, Copenhagen, Denmark
Brannon, L. C., r.s. *N.S.* 1955
U. S. Naval Hosp., Philadelphia, Pa.
BRATT, H. A., a.dn.s.
8 Belgrade Ave., Roslindale
Braudo, J. L., a.r.p. *C.M.* 1953
904 Med. Center, Jeppe, Johannesburg, South Africa
BRAZELTON, T. B., assoc. pediat.; a.r.p. *C.M.* 1947 51 Brattle, Cambridge
BREED, F. B., a.s. *Oph.*
Danversport
Breer, R. D., a.r.p. *C.M.* 1957
17 Haynes, Manchester, Conn.
Brendler, S. J., sr.r.s. *N.S.* 1953
New Eng. Center Hosp.
BRENDZE, R. B., a. *Or.*
218 Commonwealth Ave.
Brenizer, A. G., Jr., *W.S.* 1942; r.s. 1944 1012 Kings Dr., Charlotte, N. C.
Brenner, J. H., r.p. *Psychiat.* (*McL.*) 1961 41 Tennyson Rd., Wellesley Hills
Brent, R. L., *C.M.* 1955
Jefferson Med. Coll. of Philadelphia, Philadelphia, Pa.
Breslin, J. E., *C.M.* 1938
address unknown
Breslow, A., a.r.p. *Path.* 1959
George Washington Univ. Hosp., Washington, D. C.
Bresnahan, J. F., past a. dir.
4670 Pine, Omaha, Nebr.
Brewster, H. H., *W.M.* 1940
Univ. of Colorado Med. Center, Denver, Colo.
Brewster, W. R., Jr., a.r.p. *An.* 1950
Univ. of Florida, Gainesville, Fla.
Bridge, E. M., *C.M.* 1927
Univ. of Buffalo, Buffalo, N. Y.
BRIEFER, C., Jr., r.p. (*M.* 1959) M. G. H.
Brigham, F. G., *E.M.* 1910
27 Devon Rd., Chestnut Hill
Brindley, C. O., *M.* 1950
National Inst. of Health, Bethesda, Md.

Brock, B. L., *C.M.* 1923
Southeast Florida Tuberculosis Hosp., Lantana, Fla.

BROCKHURST, R. J., a.s. *Oph.* (*M.* 1948) 99 W. Cedar

BRODERICK, T. F., Jr., clin. assoc. *Or.*; sr.r.s. *Or.* 1947
697 Cambridge, Brighton

Brooks, P. T., *E.S.* 1943; a.r.s. 1949
Walla Walla Clinic, Walla Walla, Wash.

Broome, R. A., Jr., *M.* 1944
3 W. Columbia, Orlando, Fla.

Brown, C. S., a.r.p. *D.* 1952
8218 Wisconsin Ave., Bethesda, Md.

Brown, F. Bert, *Or.* 1937
22 W. Gaston, Savannah, Ga.

BROWN, F. HAROLD, acting an. (*McL.*)
665 Great Plain Ave., Needham

BROWN, FLORENCE GIBERTI, exec. a. *B.M.* (*S.N.* 1929) M. G. H.

Brown, L., *N.S.* 1938
316 State, Bangor, Maine

Brown, N. K., *M.* 1957; a.r.p. 1958
King County Hosp., Seattle, Wash.

Brown, R. Gordon, *Path.* 1942
122 S. Michigan Ave., Chicago, Ill.

Brown, Robert H., *E.S.* 1944; j.r.s. 1945 U.S. Naval Hosp., Bethesda, Md.

Brown, Robert K., *W.S.*, 1939; r.s. 1942 1624 Gilpin, Denver, Colo.

BROWN, T., v.s. *Or.*; r.s. *Or.* 1949 M. G. H

BROWNELL, G. L., applied physicist *M.* M. G. H.

Brownsberger, C. N., a.r.p. 1957
Mass. Mental Health Center

Brues, A. M., *E.M.* 1932
Argonne National Lab., Lemont, Ill.

Buchanan, R. N., Jr., r.p. *D.* 1941
706 Church, Nashville, Tenn.

Buchanan, W. R., Jr., *C.M.* 1955; r.p. *C.M.* 1957
9 Greenway Lane, Greenfield

BUCHER, NANCY L. R., assoc. biol. *M.* M. G. H.

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Boston Coll. Grad. Sch., Chestnut Hill

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Bull, E. C., *Or.* 1917
384 Post, San Francisco, Calif.

Bullard, C. W., *W.S.* 1918
194 High, Newburyport

BULLWINKEL, B., a.r.p. *An.* (*S.* 1957); a.r.s. 1961 M. G. H.

Bunker, J. P., *E.S.* 1946; a.r.p. *An.* 1950 Stanford Med. Center, Palo Alto, Calif.

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94 Pleasant, Arlington; 270 Commonwealth Ave.

Burden, C. E., a.r.p. *C.* 1961
Children's Med. Center

BURGIN, L. B., pediat. (*C.M.* 1932); r.p. *C.M.* 1935
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BURKE, J. F., a.s. (*S.* 1952); r.s. 1957 M. G. H.

Burke, M. F., Jr., a.r.s. 1961
Univ. of California Med. Center, San Francisco, Calif.

BURKE, R. E., a.r.p. (*M.* 1962) M. G. H.

Burland, G. R., a.r.s. 1953
Olds, Alberta, Canada

Burnett, C. H., c.r.p. 1946
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

Burnett, F. L., *S.S.* 1908
520 Commonwealth Ave.

Burns, E. M., r.p. *Psychiat.* 1935
1920 N.W. Johnson, Portland, Oregon

BURR, F. H., *Trustee* 50 Federal

BURRAGE, WALTER S., *Bd. of Cons.* (*E.M.* 1927) 330 Dartmouth

Burrage, William C., *E.M.* 1941; a.r.p. 1946 57 Deering, Portland, Maine

BURRINGTON, J. D., a.r.s. (*S.* 1961) M. G. H.

Burrow, J. G., *Dn.* 1948; a.r.s. *Dn.* 1949 507 Main, Worcester

Burwell, C. S., *W.M.* 1919; h.p. *W.M.* 1921 H. M. S.

Bush, R. D., *W.S.* 1943
203 Commonwealth Ave.

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Metropolitan Hosp., Detroit, Mich.

Butler, W. T., *M.* 1959; a.r.p. 1960
5903 Greenlawn Dr., Bethesda, Md.

Buttles, R. V., r.p. *Path.* 1950
Heaton Hosp., Montpelier, Vt.

Byers, R. K., *E.M.* 1923
Children's Med. Center

Byrnes, R. L., a.r.p. *Path.* 1954
34745 Camino Capistrano, Capistrano Beach, Calif.

CAIN, A. J., a. psychiat. (*McL.*)
McLean Hosp., Belmont
Calhoun, F. P., Jr., *E.M.* 1938
478 Peachtree, N.E.,
Atlanta, Ga.
Calkins, E., c.r.p. 1952
Buffalo Gen. Hosp., Buffalo, N. Y.
CALLISON, J. R., a.r.s. M. G. H.
CALNAN, A. F., a. *Oph.*
534 Beacon
Cameron, H. S., sr.r.s. *Or.* 1957
450 Central Ave.,
London, Ontario, Canada
Campbell, C. R., r.p. *Path.* 1955
Mills Memorial Hosp.,
San Mateo, Calif.
Campbell, J. L., r.p. *An.* 1940
Republic Bldg., Denver, Colo.
CANELLOS, G. P., a.r.p. (*S.* 1961)
M. G. H.
CANER, G. C., *Bd. of Cons.* (*W.M.* 1924) 63 Marlborough
Canlas, B. D., Jr., r.p. *Path.* 1956
Coll. of Med.,
Univ. of the Philippines, Manila, P. I.
CANNON, B., v.s. M. G. H.
Cannon, J. A., *E.S.* 1944; a.r.s. *E.S.* 1946
Univ. of California Med. Center,
Los Angeles, Calif.
Cantlon, E. L., *E.S.* 1938; r.s. *W.S.* 1941 220 S. Virginia, Reno, Nev.
Cantlon, J. V., *E.S.* 1935; r.s. *E.S.* 1938 220 S. Virginia, Reno, Nev.
CAPLAN, G., psychiat.
93 Fresh Pond Parkway, Cambridge;
Harvard Sch. of Public Health
Caplan, L. M., r.p. *Psychiat.* (*McL.*) 1960 McLean Hosp., Belmont
Capland, L., r.p. *D.* 1940
1680 Meridian Ave.,
Miami Beach, Fla.
Capps, J. A., *E.M.* 1896
21 Woodley Rd., Winnetka, Ill.
Capps, R. B., *C.M.* 1931 and *E.M.* 1933 122 S. Michigan Ave.,
Chicago, Ill.
Capps, S. C., *Path.* 1946; a.r.p. *Path.* 1949 Butterworth Hosp.,
Grand Rapids, Mich.
Cardenal, F. A., a.r.s. *Or.* 1959
Organisation Mondiale de la Santé,
Hôpital de Befalé, Boende,
Province Equatoriale,
République du Congo (Léo)
Carey, J. M., *W.S.* 1946
2221 N.W. 54th, Oklahoma City,
Okla.
Carey, R.W., *M.* 1960; a.r.p. 1961
M. G. H.
Carey, T. A., a.r.p. *R.* 1961
1696 Monaco Parkway,
Denver, Colo.
Carmichael, Miriam W., a.r.p. *N.* 1956
Med. Coll. of Virginia,
Richmond, Va.
Carmody, J. T. B., a.r.s. *N.S.* 1936
65 Elm, Worcester
CARNES, H. A., a. oral s.
29 Bay State Rd.
CARNEY, H. J., a. oral s.
403 Commonwealth Ave.
Carroll, R. E., *E.S.* 1943; r.s. *Or.* 1944
Columbia-Presbyterian Med.
Center, New York, N. Y.
CARROLL, W. J. E., s. *Otolar.*
5 Chestnut, Arlington
Carson, P. C., r.s. *Or.* 1940
130 Maple, Springfield
CARTER, E. L., a. *S.* (*S.* 1954); a.r.s. 1960 M. G. H.
CARTER, F., a. psychiat.; r.p. *Psychiat.* (*McL.*) 1948
51 Brattle, Cambridge
CARTER, GEORGE B., r.p. *R.*
M. G. H.
Carter, George H., *M.* 1943; a.r.p. 1947; r.p. *Psychiat.* 1948
Boston Univ.-Mass. Memorial
Hosp. Med. Center
Carter, J. R., Jr., *M.* 1960; a.r.p. 1961
National Inst. of Health,
Bethesda, Md.
Carter, R. R., r.p. *N.* 1942
1020 S.W. Taylor, Portland, Oreg.
Cascario, N., Jr., *Dn.* 1944
36 N. 1st, Bangor, Pa.
Case, C. T., *W.S.* 1943
1402 Genesee, Utica, N. Y.
CASS, J. W., Jr., a.p. (*W.M.* 1931)
87 Chestnut
CASTEN, V. G., s. *Oph.* (*N.* 1929)
412 Beacon
Castle, W. B., *E.M.* 1923
Boston City Hosp.
CASTLEMAN, B., c. *Path.* (*Path.* 1932); r.p. *Path.* 1935 M. G. H.
CATINELLA. P. J., a.d.
697 Cambridge, Brighton
CATLIN, R., Jr., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1962
McLean Hosp., Belmont
Catterson, L. F., *C.M.* 1924
107½ High Ave., West,
Oskaloosa, Iowa

CAULFIELD, J. B., a. path. M. G. H.

CAVANAUGH, J. J. A., a. pediat. 12 W. Central, Natick

CAVANAUGH, T., assoc. s. *Oph.* 403 Commonwealth Ave.

CAVE, E. F., cons. v.s. *Or.* (*E.S.* 1926 and *Or.* 1928) M. G. H.

Cecil, L. M., *M.* 1950 710 C, San Rafael, Calif.

CHAFETZ, M. E., assoc. psychiat. M. G. H.

Chaffin, G. L., *E.S.* 1918; h.s. *W.S.* 1921 and *U.* 1921 1136 W. 6th, Los Angeles, Calif.

CHALFIN, R. M., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

CHALPIN, G., a. attend. psychiat. (*McL.*) 130 Longwood Ave., Brookline

Chamberlain, J. M., *N.S.* 1934 and *W.S.* 1937 23 E. 79th, New York, N. Y.

Chamberlin, H. R., *C.M.* 1949 Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

Chamberlin, R. W., Jr., a.r.p. *C.M.* 1959 Johns Hopkins Hosp., Baltimore, Md.

CHANDLER, H. P., a.r.s. *Or.* M. G. H.

Chapin, L. D., *E.M.* 1908 20 Maple, Springfield

Chaplin, H., Jr., *M.* 1948; r.p. 1950 Washington Univ. Sch. of Med., St. Louis, Mo.

Chapman, C. Ethelyn, *An.* 1937; r.p. *An.* 1938 Vet. Adm. Hosp., Oakland, Calif.

CHAPMAN, E. M., p. (*W.M.* 1931); c.r.p. 1934 M. G. H

CHAPMAN, R. B., a. *Oph.* 743 High, Dedham

Charash, L. I., a.r.p. *C.M.* 1952 146 Mount Joy Ave., Freeport, Long Island, N. Y.

Chase, J. S., *E.S.* 1940 392 Pleasant, Brockton

CHASEN, MIGNON C., a. attend. psychiat. (*McL.*) 111 Cedar, Newton Centre

CHASIN, W. D., a. *Otolar.* Mass. E. & E. Inf.

Cheer, Sheo-Nan, *E.M.* 1922 Newton Baker Vet. Adm. Center, Martinsburg, W. Va.

Cheney, M. C., *W.M.* 1918 2560 Bancroft Way, Berkeley, Calif.

Chernoff, A. I., *M.* 1948 Memorial Res. Center, Univ. of Tennessee, Knoxville, Tenn.

CHISHOLM, J. F., Jr., a.s. *Oph.* 330 Dartmouth

Chittick, R. A., r.p. *Psychiat.* (*McL.*) 1938 Vermont State Hosp., Waterbury, Vt.

Choras, P. T., a.r.p. *Psychiat.* 1961; r.p. *Psychiat.* (*McL.*) 1962 M. G. H.

CHRIST, J., a. attend. psychiat. (*McL.*) 51 Brattle, Cambridge

Christensen, W. R., *W.M.* 1943 Salt Lake County Gen. Hosp., Salt Lake City, Utah

Christenson, W. N., *M.* 1949; a.r.p. 1950 New York Hosp., New York, N. Y.

CHRISTMAN, G., a. oral s. (*Dn.* 1951); a.r.s. *Dn.* 1952 403 Commonwealth Ave.

CHURCHILL, E. D., *Bd. of Cons.* (*W.S.* 1922); h.s. 1923 269 Prospect, Belmont

CHUTE, R., *Bd. of Cons.* (*E.S.* 1929) Vet. Adm. Hosp., 150 S. Huntington Ave., Jamaica Plain

Ciano, J. F., *Dn.* 1954 1159 Hancock, Quincy

CICCARELLI, E. C., a. *Oph.* 66 Lewis Bay Rd., Hyannis

CIVANTOS, F., a.r.p. *Path.* M. G. H.

Claiborne, T. S., *W.M.* 1934 384 Peachtree, N.E., Atlanta, Ga.

Claman, H. N., r.p. 1958 Univ. of Colorado Med. Center, Denver, Colo.

Clapp, S., *N.S.* 1939 3921 Ingomar, N.W., Washington, D. C.

Clark, Dean A., past gen. dir. 16 Highland, Cambridge

Clark, DeWitt S., *E.S.* 1915 2 Oliver, Salem

CLARK, J. G., Jr., a. psychiat. (*McL.*); r.p. *Psychiat.* 1955; r.p. *Psychiat.* (*McL.*) 1958 McLean Hosp., Belmont

Clark, L. D., *M.* 1948; r.p. *Psychiat.* 1950 Salt Lake County Gen. Hosp., Salt Lake City, Utah

Clark, M. M., *Or.* 1928 38 N. Goodman, Rochester, N. Y.

Clark, N. H., *W.M.* 1905 address unknown

CLARK, R. J., *Bd. of Cons.* (*W.M.* 1933) 15 Dix, Winchester
Clark, S. L., Jr., *M.* 1950
Washington Univ. Sch. of Med., St. Louis, Mo.
Clarke, B. G., *E.M.* 1943
New Eng. Center Hosp.
CLAY, C. L., a.dir. M. G. H.
Clement, J. D., Jr., *W.S.* 1944
77 Essex, Bangor, Maine
Clement, S. P., Jr., *M.* 1956
1266 4th, Sarasota, Fla.
Clifford, M. H., a.r.p. 1935
Vet. Adm. Hosp., Rutland Heights
CLIFFORD, S. H., cons. *C.* (*E.M.* 1927) Boston Lying-in Hosp.
CLINE, H. S., a. *Psychiat.*; a. attend. psychiat. (*McL.*); a.r.p. *Psychiat.* 1956 185 Dean Rd., Brookline
Cline, J. W., Jr., *E.S.* 1927
490 Post, San Francisco, Calif.
CLOUGH, J. M., a.s. *Oph.*
266 Beacon
CLOUSE, M. E., a.r.p. *R.* M. G. H.
CLOWER, VIRGINIA L., a. attend. psychiat. (*McL.*)
81 Irving, Cambridge
Clowes, G. H. A., Jr., a.r.s. 1948
Cleveland Metropolitan Gen. Hosp., Cleveland, Ohio
Cobb, C. A., Jr., r.p. *N.* 1948
Med. Arts Bldg., Nashville, Tenn.
COBB, J. K., a. *R.* M. G. H.
COBB, S., hon. p.; cons. psychiat. (*McL.*) M. G. H.
Cobbs, B. W., Jr., *M.* 1953; r.p. 1955
Emory Univ. Clinic, Emory University, Ga.
COCHRAN, W. D., a. pediat.; a.r.p. *C.M.* 1954 Boston Lying-in Hosp.
Coe, R. C., *S.* 1951; r.s. 1955
1115 Columbia, Seattle, Wash.
COGAN, D. G., s. *Oph.* and dir. Howe Lab. Mass. E. & E. Inf.
Coggeshall, H. C., *W.M.* 1935
3710 Swiss Ave., Dallas, Tex.
Coggins, C. H., *M.* 1959
627 Barron Ave., Palo Alto, Calif.
COGSWELL, THELMA B., exec. a. *M.G.H. Clin.* (*S.N.* 1926) M. G. H.
COHEN, A., clin. assoc. *C.*
1093 Beacon, Brookline
Cohen, I. J., *C.M.* 1931
Vet. Adm. Central Office, Washington, D. C.
Cohen, J., a.r.s. *Or.* 1950
Children's Med. Center
COHEN, MANDEL E., n.; a.r.p. *Psychiat.* 1936 M. G. H.
COHEN, MORRIS, cons. *Or.*
M.I.T., Cambridge
COHEN, N. R., a.r.p. (*M.* 1962)
M. G. H.
COHEN, R. B., assoc. path.; r.p. *Path.* 1953 M. G. H.
Cohn, R. B., *Path.* 1933 and *E.S.* 1936; r.s. *N.S.* 1934 and *W.S.* 1937
Stanford Med. Center, Palo Alto, Calif.
Cohn, Z. A., *M.* 1954; a.r.p. 1955
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.
COLBY, F. H., *Bd. of Cons.* (*W.S.* 1920) 27 Chestnut, Brookline
Cole, C. H., *Path.* 1935
111 W. Main, Waterbury, Conn.
COLE, E. M., n.; r.p. *N.* 1932; r.p. *Psychiat.* (*McL.*) 1934 M. G. H.
Cole, M., a.r.p. *N.* 1960 M. G. H.
Coleman, R. M., r.p. *Psychiat.* (*McL.*) 1962 McLean Hosp., Belmont
Coles, M. R., a.r.p. *Psychiat.* 1956; r.p. *Psychiat.* (*McL.*) 1957 M. G. H.
Coley, Mary S., *C.M.* 1955
63 Dauntless Lane, Hartford, Conn.
Coller, F. A., *W.S.* 1914; h.s. *W.S.* 1915 St. Joseph's Mercy Hosp., Ann Arbor, Mich.
Collins, D. L., Jr., *S.* 1955; a.r.s. 1961
Professional Bldg., Kannapolis, N. C.
Collins, G. H., a.r.p. *Path.* 1959
M. G. H.
Collins, H. Douglas, *M.* 1953; r.p. 1955 8 N. Main, Caribou, Maine
Collins, Harvey S., *M.* 1944; a.r.p. 1945
Memorial Hosp., 444 E. 68th, New York, N. Y.
Collins, R., *E.S.* 1933
5111 8th Rd., South, Arlington, Va.
Colokathis, P., a.r.s. *Or.* 1954
146 Tarrytown Rd., Manchester, N. H.
Colpitts, G. E., r.p. *Path.* 1952
St. Luke's Hosp., Duluth, Minn.
Colquhoun, J. B., *Or.* 1927
85 Spring, Melbourne, Australia
Colwell, H. S., *E.M.* 1916
158 Whitney Ave., New Haven, Conn.
COMB, D. G., a. biochem. *M.*
M. G. H.

Comly, H. H., *C.M.* 1944
951 E. Lafayette, Detroit, Mich.

Compton, D. W., r.p. *An.* 1946
905 E. Columbia, Seattle, Wash.

Conley, J. E., *E.S.* 1941; a.r.s. 1942
425 E. Wisconsin Ave.,
Milwaukee, Wis.

CONNELLY, J. P., a. pediat. (*C.M.* 1957); c.r.p. *C.* 1961 M. G. H.

Conrad, Elizabeth, a.r.p. *C.M.* 1945
2240 Cloverdale Ave.,
Winston- Salem, N. C.

CONSTABLE, J. D., a. *S.* (*S.* 1953); r.s. 1959 M. G. H.

Cook, C. D., a.r.p. *C.M.* 1949
Children's Med. Center

Coolidge, J. C., *C.M.* 1945
141 Coolidge Hill, Cambridge

Coolidge, T. B., *W.M.* 1929
947 E. 58th, Chicago, Ill.

Coombs, F. S., a.r.p. 1937
275 W. Federal, Youngstown, Ohio

Coons, A. H., *E.M.* 1939 H. M. S.

Cooperman, S., a.r.p. *Path.* 1961
M. G. H.

COPE, O., v.s. (*W.S.* 1930); r.s. *W.S.* 1932 M. G. H.

CORNING, H. B., a.r.p. (*M.* 1962)
M. G. H.

Cosby, R. S., *E.M.* 1940
111 Congress, Pasadena, Calif.

COSER, ROSE L., assoc. sociol. (*McL.*) McLean Hosp., Belmont

COSGROVE, W. L., a.dn.s.
12 Waltham, Lexington

Cotter, W. C., r.s. *N.S.* 1957
274 Benefit, Providence, R. I.

Cotzias, G. C., *M.* 1944; r.p. *N.* 1945; a.r.p. 1946
Med. Dept., Brookhaven National Lab., Associated Universities, Inc.,
Upton, Long Island, N. Y

COVITZ, E. E., a.s. *Oph.*
475 Commonwealth Ave.

Cozen, L., *Or.* 1938
6221 Wilshire Blvd.,
Los Angeles, Calif.

CRABTREE, H. H., hon.s. (*E.S.* 1913); h.s. *W.S.* 1914 and *U.* 1919
1101 Beacon, Brookline

Craddock, C. G., Jr., a.r.p. *Psychiat.* 1950 Univ. of California Med. Center, Los Angeles, Calif.

Craige, E., *M.* 1943; r.p. 1948
North Carolina Memorial Hosp.,
Chapel Hill, N. C.

Crandell, W. B., a.r.s. 1941
Vet. Adm. Hosp., White River Junction, Vt.

Crawford, E. S., *E.S.* 1947; r.s. 1954
Baylor Univ. Coll. of Med.,
Houston, Tex.

Crawford, H. B., *Or.* 1931; r.s. *Or.* 1932 15 Prince, Rochester, N. Y.

CRAWFORD, J. D., pediat. (*C.M.* 1945); c.r.p. *C.M.* 1949 M. G. H.

CROCKETT, D. C., assoc. dir. *Resources and Development* M. G.H.

Croll, Diane, r.p. *Path.* 1948
Vet. Adm. Hosp., Oakland, Calif.

Crone, N. L., *W.M.* 1933; r.p. 1937
Harvard Grad. Sch. of Business Adm.

CRONIN, T. P., a.s. *Oph.*
94 Pleasant, Arlington

CRONKHITE, L. W., Jr., a. *M.* (*M.* 1950); r.p. 1953 M. G. H.

Crystal, D. K., *W.S.* 1942; r.s. *W.S.* 1946 1110 Harvard Ave.,
Seattle, Wash.

Cu, W. B., a.r.p. *Psychiat.* 1961; r.p. *Psychiat.* (*McL.*) 1962
Roosevelt Hosp., New York, N. Y.

Cudney, E. B., *Or.* 1926
Pontiac Motor Co., Pontiac, Mich.

CULVER, P. J., assoc. p. (*E.M.* 1942)
M. G. H.

Cummer, F. H., Jr., sr. r.p. *Psychiat.* (*McL.*) 1950
Boston City Hosp.

Cunningham, T. D., *W.M.* 1918 and *C.M.* 1920
Republic Bldg., Denver, Colo.

CURRENS, J. H., a. *M.* M. G. H.

Currie, R. A., *S.* 1950; a.r.s. 1954
West Virginia Univ. Med. Center,
Morgantown, W. Va.

CURTIN, R. R., clin. assoc. *S.* (*S.* 1953); a.r.s. 1957 Exeter Clinic,
Exeter, N. H.

CURWEN, W. L., a. *D.* M. G. H.

Cutts, F. B., *W.M.* 1934
315 Olney, Providence, R. I.

DAGGETT, W. M., Jr., a.r.s. (*S.* 1959) M. G. H.

Dahl, L. K., c.r.p. 1947
Med. Dept., Brookhaven National Lab., Associated Universities, Inc.,
Upton, Long Island, N. Y.

DALAND, E. M., hon. s. (*W.S.* 1918)
483 Beacon

D'Alessandro, G. L., a.r.p. *An.* 1950
275 Forest Ave., Glen Ridge, N. J.

Dalrymple, W., *M.* 1947
University Health Services, Princeton Univ., Princeton, N. J.
DALTON, J. C., a. *M.*
330 Dartmouth
DAMIANI, C. R., clin. assoc. *D.*; r.p. *D.* 1946 16 Norwich, Worcester
Damon, A., *M.* 1952
Harvard Sch. of Public Health
D'ANGIO, G. J., a.r. M. G. H.
DANIELS, E. M., assoc. psychiat. (*McL.*) 26 Lyman Rd., Chestnut Hill
DANIELS, HADASSAH S., a. attend. psychiat. (*McL.*) 26 Lyman Rd., Chestnut Hill
Dann, D. S., h.p. *R.* 1922
701 E. 63rd, Kansas City, Mo.
DARLING, R. C., a. *S.* (*C.M.* 1954); a.r.s. 1958 1180 Beacon, Brookline
d'AUTREMONT, C. C., a. attend. psychiat. (*McL.*); r.p. *N.* 1948
Children's Med. Center
Davanloo, H., a.r.p. *Psychiat.* 1959
Montreal Gen. Hosp., Montreal, Canada
David, J. R., *M.* 1956; r.p. 1961
New York Univ. Med. Sch., New York, N. Y.
David, S. D., *Or.* 1922
1215 Walker Ave., Houston, Tex.
Davidoff, F. F., *M.* 1960; a.r.p. 1961
5823 Greenlawn Dr., Bethesda, Md.
DAVIDSON, G. E., a. *Psychiat.*
M. G. H
DAVIES, J. A. V., *Bd. of Cons.*
319 Longwood Ave.
Davis, B. M., a.r.s. *W.S.* 1942
USPHS, Washington, D. C.
Davis, James M., *S.* 1948; a.r.s. 1952
1661 Riverside Ave., Jacksonville, Fla.
Davis, John M., *C.* 1961
Vet. Adm. Hosp., W. Haven, Conn.
DAWES, D. C., a. psychiat.; r.p. *Psychiat.* (*McL.*) 1939
51 Brattle, Cambridge
Dawson, C. W., *Or.* 1936
1275 Olentangy River Rd., Columbus, Ohio
DeBLOIS, ELIZABETH, a.s. *Otolar*
247 Commonwealth Ave
DeBusk, F. L., *C.M.* 1947; a.r.p. *C.M.* 1950 1750 N. Palafox, Pensacola, Fla.
DECKER, B. L., assoc.p. (*C.M.* 1931 and *W.M.* 1932) 75 Mount Auburn, Cambridge
DEGEN, J. W., a. dir. M. G. H.
DeGROOT, L. J., a. *M.*; r.p. 1957 M. G. H.
DEL GIUDICE, P. A., a.r.p. *An.* M. G. H.
DeLong, W. B., *S.* M. G. H.
DeLORME, T. L., a.s. *Or.*; sr.r.s. *Or.* 1955 M. G. H.
d'Elseaux, F. C., *W.M.* 1929
37 Marlborough
de MARNEFFE, F. L. A., assoc. psychiat. (*McL.*); a.r.p. *Psychiat.* 1952 84 Garden, Cambridge
DEMING, RUTH, exec. a. *M. G. H. Clin.* (*S.N.* 1925) M. G. H.
de Mola, L. L., a.r.p. *Path.* 1960
Alcanfores 999, Miraflores, Lima, Peru
DEMPSEY, P. A., dn.s.
56 Melville Ave., Dorchester
Dennie, C. C., *D.* 1914
Professional Bldg., Kansas City, Mo.
Denton, Jane E., *M.* 1946; a.r.p. 1946
Main, Hopkinton
DePriest, O. S., III, *S.* 1955; a.r.s. 1961
military service
Derby, J. P., *Or.* 1925
20 Maple, Springfield
Derow, H. A., *Path.* 1928
1136 Beacon, Brookline
Derow, S., *Path.* 1931
925 Centre, Newton Centre
Derrick, C. C., *Path.* 1940 and *E.M.* 1942; r.p. *Path.* 1941
25 Maple, Springfield
DeSanctis, R. W., *M.* 1956; r.p. 1960
McLean Hosp., Belmont
Detwiler, Robert C., a.r.s. *Or.* 1956
68 Charlton Ave., West, Hamilton, Ontario, Canada
Detwiler, Robert H., *C.M.* 1940
3120 N. 13th, Arlington, Va.
DEUTSCH, HELENE, *Bd. of Cons.*
44 Larchwood Dr., Cambridge
Devan, T. A., past a. dir.
325 19th Ave., N.E., St. Petersburg, Fla.
Dewey, E. B., *E.S.* 1921
Box 2029, Pebble Beach, Calif.
DeWILDE, H., clin. assoc. *Dn. M.*
403 Commonwealth Ave.
DEXTER, C. J., clin. assoc. *S.*
51 Brattle, Cambridge
Deykin, D., *M.* 1958
National Inst. of Health, Bethesda, Md.

DIAMOND, L. K., cons. *C.*
Children's Med. Center
Dickersin, G. R., a.r.p. *Path.* 1957
Brockton Hosp., Brockton
Dickson, Carol C., *M.* 1948; *C.M.* 1949
2 5th Ave., New York, N. Y.
DICKSON, W. A., assoc. pediat. (*C.M.* 1946); a.r.p. *C.M.* 1947
266 Beacon
Diehl, Sylvia Davies, a.r.p. *C.M.* 1958
33 Maple Ave., Madison, N. J.
DIENES, L., cons. b. M. G. H.
Dillon, H. T., Jr., *Path.* 1958; a.r.p. *Path.* 1959 H. M. S.
Dillon, V. M., *Or.* 1932
2166 Hayes, San Francisco, Calif.
Dimon, J. H., III, sr.r.s. *Or.* 1960
1938 Peachtree Rd., N.W., Atlanta, Ga.
Diner, Wilma Canada, a.r.p. *Path.* 1951; r.p. *R.* 1954
Univ. of Arkansas Med. Center, Little Rock, Ark.
DINSMORE, P. R., a. psychiat. (*McL.*); r.p. *Psychiat.* (*McL.*) 1961
McLean Hosp., Belmont
Dinsmore, R. E., a.r.p. *R.* 1961
Hammersmith Hosp., London, England
Ditmore, H. B., Jr., *S.* 1954; a.r.s. 1958 c/o H. B. Ditmore, Sr., Marshall, N. C.
Dodd, R. B., a.r.p. *An.* 1950
Barnes Hosp., St. Louis, Mo.
DODGE, P. R., assoc.n. and pediat. M. G. H.
Dodge, R. S., a.r.s. *Or.* 1946
4767 Kahala Ave., Honolulu, Hawaii
Dodson, L. C., r.s. *P.H.* 1932
330 Allen, Owensboro, Ky.
Dohan, F. C., a.r.p. 1935
Hosp. of Univ. of Pennsylvania, Philadelphia, Pa.
Doisy, E. A., Jr., *M.* 1945
St. Louis Univ. Sch. of Med., St. Louis, Mo.
Dole, K. L., *E.S.* 1917
Cedar Pt., Mackinac Island, Mich.
Dole, V. P., Jr., *E.M.* 1941
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.
Donaghy, R. M. P., *N.S.* 1939; r.s. *N.S.* 1942 Mary Fletcher Hosp., Burlington, Vt.
Donald, J. H., *M.* 1947; a.r.p. 1948
Burns Bldg., Colorado Springs, Colo.
DONALDSON, D. D., a. *Oph.*
Mass. E. & E. Inf.
DONALDSON, G. A., v.s. (*E.S.* 1938); r.s. 1942 M. G. H.
Donnelly, E. W., r.p. *R.* 1961
992 Oakdale Rd., Atlanta, Ga.
Donner, R., a.r.p. *Path.* 1957
Pr. Hendriklaan 27, Amsterdam, Holland
Donovan, J. F., sr. r.s. *Or.* 1957
85 Jefferson, Hartford, Conn.
DOWLING, J. L., Jr., a. *Oph.*
207 Waterman, Providence, R. I.
Drachman, D. A., r.p. *N.* 1960
National Inst. of Health, Bethesda, Md.
Drake, E. H., a.r.s. 1945
18 Bramhall, Portland, Maine
Drake, T. G., a.r.p. 1937
114 N. Taylor Ave., St. Louis, Mo.
Dresel, R. L., *Or.* 1921
450 Sutter, San Francisco, Calif.
Drewry, G. R., *M.* 1953
1 Davis Blvd., Tampa, Fla.
DREYFUS, P. M., a.n.; a.n. (*McL.*); r.p. *N.* 1955 M. G. H.
DREYFUSS, J. R., assoc. r. M. G. H.
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285 Commonwealth Ave.
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Duda, G. A, r.p. *Psychiat.* (*McL.*) 1961 McLean Hosp., Belmont
Duffy, R. J., r.p. *Psychiat.* (*McL.*) 1935 Methodist Bldg., Wheeling, W. Va.
DUGGAN, J. A., clin. assoc. *C.*
713 Pleasant, Worcester
DUHL, F. J., a. *Psychiat.* M. G. H.
Dulin, J. W., *Path.* 1933
Dey Bldg., Iowa City, Iowa
Duncombe, A. L., *E.M.* 1934
336 Pleasant, Brockton
Dunn, E., a.r.s. 1956
1200 E. Genesee, Syracuse, N. Y.
Dunn, Fa-Chi, a.r.p. *D.* 1954
Kaiser Foundation Hosp., Oakland, Calif.
Dunn, W. L., a.r.p. *Path.* 1960
University College Hosp. Med. Sch., Gower, London N.W. 1, England
DUNPHY, E. B., c. *Oph.*
Mass. E. & E. Inf.
Durno, E. R., *E.S.* 1929
House of Representatives Office Bldg., Washington, D. C.
D'Urso, J. J., r.p. *D.* 1944
301 Essex, Lawrence

Duxbury, J. H., r.s. *U.* 1960
625 Fort, Victoria, British Columbia, Canada

Dwight, R. W., *W.S.* 1931
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Dwyer, J. H., a.r.p. *C.M.* 1956; r.p. *Psychiat.* (*McL.*) 1958
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Eaton, R. G., a.r.s. *Or.* 1961
Children's Med. Center

Edelman, G. M., *M.* 1955
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EDELSTEIN, L. M., a.r.p. *D.* M. G. H.

Edgelow, A. F. G., *W.S.* 1921
130 Maple, Springfield

Edmonds, H. W., r.p. *Path.* 1942
110 Irving, N.W., Washington, D.C.

EDMUNDS, L. H., Jr., a.r.s. (*S.* 1957) M. G. H.

Edsall, G., *E.M.* 1936
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Edwards, W. S., *W.S.* 1946; a.r.s. 1952 Med. Coll. of Alabama, Birmingham, Ala.

EGBERT, L. D., a. an. M. G. H.

Egel, N., r.s. *Or.* 1938
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Egloff, F. R. L., r.p. *Psychiat.* 1951
31 Main, Farmington, Conn.

Ehrenkranz, N. J., *M.* 1950; r.p. 1954
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Eiseman, B., *E.S.* 1943
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ELDRED, S. H., assoc. psychiat. (*McL.*) McLean Hosp., Belmont

Eldredge, J. H., a.r.s. *Or.* 1960
Children's Med. Center

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Eliel, L. P., *E.M.* 1942
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ELIOT, C. R., j.a.r.p. *C.* M. G. H.

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Ellery, S. W., *E.S.* 1943
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ELLETT, W. H., a. physicist *M.* M. G. H.

Elliot, H. L., r.p. *An.* 1942
Chestnut Hill, Harlan, Ky.

Elliott, J. A., Jr., *M.* 1945
1012 Kings Dr., Charlotte, N. C.

ELLIS, D. S., p. (*E.M.* 1941) M. G. H.

Ellis, Effie O., *C.M.* 1951; a.r.p. *C.M.* 1952
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Ellis, L. B., *E.M.* 1928
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Elrick, H. E., *M.* 1944; a.r.p. 1947
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EMBREE, L. J., a.r.p. *N.* M. G. H.

EMERSON, G. F., clin. assoc. *S.* (*E.S.* 1939); r.s. 1942
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Emmons, A. B., II, *W.S.* 1905
Bay View Estates, Brewster Dr., Largo, Fla.

ENDEE, C. H., dn.s. 6 Marlborough

ENGEL, L. L., biochem. *M.* M. G. H.

Engelman, K., *M.* 1960; a.r.p. 1961
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ENGLAND, A. C., Jr., a. *N.* M. G. H

English, H. S., a.r.p. *N.P.* 1948
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Enterline, J. D., *E.S.* 1943; j.r.s. 1944
Kings View Hosp., Reedley, Calif.

Eppright, R. H., a.r.s. *Or.* 1955
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ERLE, R. A., a. psychol. (*McL.*)
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ERVIN, F. R., assoc. psychiat. M. G. H

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ESSIG, A., a. *M.* M. G. H.

Esslinger, J. O., a.r.s. *Or.* 1952
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EUSTIS, R. S., *Bd. of Cons.* (*W.M.* 1912 and *C.M.* 1913)
Hancock, N. H.

Evans, Richard R., *Path.* 1944
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EVANS, ROBLEY D., cons. *Physics* M. I. T., Cambridge

Evans, S. S., *E.S.* 1945; a.r.s. 1950
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Everett, H. C., III, a.r.p. *Psychiat.* 1958
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Ewell, J. W., *W.M.* 1937
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Ewer, E. G., *Or.* 1936
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Exley, M. M., r.s. *U.* 1938
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Eyler, W. R., *C.M.* 1943; r.p. *R.* 1949
Henry Ford Hosp., Detroit, Mich.

Fairlie, C. W., Jr., *W.M.* 1942; r.p. 1947
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Fallon, J. T., *C.M.* 1925
86 Whitmarsh, Providence, R. I.

Fang, H. C.-H., a.r.p. *Psychiat.* 1952
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FARKAS, R. W., r.p. *Psychiat.* (*McL.*)
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Farmer, D. A., *W.S.* 1943
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FARNSWORTH, D. L., p. (*W.M.* 1935) 75 Mount Auburn, Cambridge

Farrell, M. E., *C.M.* 1934
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Faulkner, J. M., *E.M.* 1925
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Faust, L. W., r.s. *U.* 1924
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Fawcett, D. W., *W.S.* 1943
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Fennell, R. H., Jr., sr.r.p. *Path.* 1949
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FERGUSON, E. L., clin. assoc. *S.* (*S.* 1954); a.r.s. 1959 159 Essex, Holyoke

Ferguson, I. A., Jr., *S.* 1953; a.r.s. 1959
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Ferguson, J. J., Jr., *M.* 1951; r.p. 1955
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Ferguson, L. A., *M.* 1961
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FERN, D. J., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1961
McLean Hosp., Belmont

FERNÁNDEZ-MORÁN, H. A. V., assoc. biophysicist *N.S.* M. G. H.

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Field, J. B., *M.* 1952; r.p. 1954
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FIELD, P., a.r.s. M. G. H.

FIELD, R. A., a.p. (*M.* 1950); c.r.p. 1955 M. G. H.

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Beverly Hosp., Beverly

Finck, A. J., a.r.p. *An.* 1949
Beth Israel Hosp

Findlay, F. M., *E.S.* 1924
San Manuel Copper Corp. Hosp., San Manuel, Ariz.

Fine, J., a.r.s. 1927
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FINESINGER, A. L., a. *Psychiat.*
296 Beacon

Finkenstaedt, J. T., *M.* 1947; r.p. 1949
Cornell Univ. Med. Coll., New York, N. Y.

Finlayson, N. B., a.r.p. *Path.* 1960
San Francisco Gen. Hosp., San Francisco, Calif.

Finley, K. H., *W.M.* 1934; r.p. *N.* 1936
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Firminger, H. I., sr.r.p. *Path.* 1947
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Fischberg, B. W., r.p. *Psychiat.* (*McL.*) 1961
McLean Hosp., Belmont

Fischer, J. E., *S.* M. G. H.

Fish, J. E., *E.S.* 1930; r.s. *E.S.* 1932
Lahey Clinic

FISHER, C. M., n. and assoc. n.p. M. G. H.

Fisher, Mary S., *M.* 1949
Vet. Adm. Hosp., Philadelphia, Pa.

FISHMAN, N., clin. assoc. *Dn. M.*
361 Nichols, Norwood

Fishman, R. A., r.p. *N.* 1950
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Fitch, R. R., *W.M.* 1904
Northeast Harbor, Maine

Fite, E. H., *E.S.* 1926
443 N. 16th, Muskogee, Okla.

FITZHUGH, G., p. 330 Dartmouth

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FLACKE, JOAN W., a.r.p. *An.* M. G. H.

Flagg, J. A., a.r.p. *An.* 1955
Bridgeport Hosp., Bridgeport, Conn.

Flanagan, N. B., a.r.p. *Psychiat.* 1940
203 Grove, Wellesley

FLAX, M. H., a. *path.* M. G. H.

Fleming, T. C., a.r.p. *N.* 1961
M. G. H.

Flood, W. E., a.r.p. *D.* 1942
Med. Arts Bldg., Fort Worth, Tex.

Flook, S. E., *Or.* 1940
137 N. Main, Dayton, Ohio

Florence, D. W., r.s. *Or.* 1960
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Floyd, C., *W.M.* 1904
55 Appleton, Cambridge

FLYNN, J. G., clin. assoc. *C.* (*C.M.* 1943); a.r.p. *C.M.* 1947
377 Essex, Salem

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McLean Hosp., Belmont

Foldes, F. F., r.p. *An.* 1943
Mercy Hosp., Pittsburgh, Pa.

FOLEY, F. D., a.r.p. *Path.* M. G. H.

Foley, T. M., *Or.* 1915
140 Quince, San Diego, Calif.

FOLKMAN, M. J., a.r.s. (*S.* 1958) M. G. H.

FOLLENSBY, EDNA M., a. immunol. *M.* M. G. H.

Folsom, H. F., *W.M.* 1931
E. Dover, Vt.

FORBES, A., cons. *Neurophysiol.*
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FORBES, ANNE P., a.p. M. G. H.

Forbes, Vassilike A.-C., *C.M.* 1956
21 Argyle Pk., Buffalo, N. Y.

Ford, A. B., *M.* 1950; a.r.p. 1952
Benjamin Rose Hosp., Cleveland, Ohio

FORD, DOROTHY E., a. *Phys. M.* M. G. H.

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784 Massachusetts Ave.

Fornshell, R. P., sr.r.s. *Or.* 1958
85 Osborne, Danbury, Conn.

FORRANT, HELEN, exec. a. (*S.N.* 1930) M. G. H.

Fort, F. L., *Or.* 1922
1022 Park, Jacksonville, Fla.

Fortune, C. W., *Or.* 1930
626 James Pl., Erie, Pa.

FOSS, M. W., clin. assoc. *Dn. M.*
232 Main, Brockton

Foster, F. D., past a. dir.
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FOSTER, G. S., a.p. (*M.* 1952); a.r.p. 1953 M. G. H.

Fowler, C. B., *Or.* 1929
526 Soquel Ave., Santa Cruz, Calif.

Fowler, D. M., *E.S.* 1946
Cove, Duxbury

Fraley, E. E., *S.* M. G. H.

Frame, B., *M.* 1949; r.p. 1955
Henry Ford Hosp., Detroit, Mich.

Francis, L., a.r.p. *An.* 1950
3022 Breckenwood Dr., Lexington, Ky.

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Franseen, C. C., *W.S.* 1932
1180 Beacon, Brookline

Franseen, E. F., j.r.s. *Or.* 1947
146 Chestnut, Springfield

FRANTZ, A. G., a. *M.* M. G. H.

Franz, E. M., a.r.s. *Or.* 1948
1750 Race, Denver, Colo.

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1180 Beacon, Brookline

FRAZIER, H. S., a. *M.* (*M.* 1954); a.r.p. 1955 M. G. H.

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M. G. H.

Freedman, H. J., *C.M.* 1928
454 Brookline Ave.

Freeman, D. W., *C.M.* 1935
112 N. Burnett Ave., Denison, Tex.

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Freeman, W. T., *C.M.* 1922
Biltmore, N. C.

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Memorial Hosp., 119 Belmont, Worcester

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Friedman, L. J., *M.* 1956
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Fritz, W. F., *M.* 1950; a.r.p. 1951
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Frost, H. M., *W.S.* 1915
Friendship, Maine

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Fuchs, P., *W.S.* 1942
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Fuldner, R. V., *Or.* 1939
178 Sherman Ave., New Haven, Conn.

Fuller, Henry, *W.M.* 1929
210 Hibriten Way, Lakeland, Fla.

Fuller, Henry S., *W.M.* 1943
Walter Reed Army Inst. of Research, Washington, D. C.

Funsch, R. E., a.r.s. *Or.* 1951
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Gall, E. A., r.p. *Path.* 1937
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Gamble, C. J., *W.M.* 1922
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Gammon, W. M., *C.M.* 1932
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Gamsu, D., r.s. *N.S.* 1948
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Gannon, Mary L., r.p. *N.P.* 1947
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Gevalt, F. C., Jr., a.r.p. 1943
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Gibson, G. C., *W.S.* 1944
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Gibson, James M., *Path.* M. G. H.

Gibson, John G., a.r.p. *Psychiat.* 1951
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Gibson, L. E., r.s. *U.* 1926
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Glover, D. M., *W.S.* 1922
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Goldsmith, L. H., *C.M.* 1923 220 College Ave., Athens, Ga.

Goldthwait, J. C., a.r.p. *Path.* 1948 1180 Beacon, Brookline

Gomatos, P. J., r.p. 1959 Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.

Goodale, F., Jr., a.r.p. *Path.* 1954 Dartmouth Med. Sch., Hanover, N. H.

GOODSON, W. H., Jr., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Gordon, A. M., *C.M.* 1929 4406 Greenwood Dr., Des Moines, Iowa

Gordon, E. S., *Path.* 1935 University Hosp., Madison, Wis.

GORDON, J. E., cons. *Prev. M.* Harvard Sch. of Public Health

Gordon, P. S., *Dn.* 1955 277 Williams, W. Haven, Conn.

Gore, C. P., a.r.p. *Psychiat.* 1952 Dunollie, Station Rd., Menston, England

Gorman, Rosemary V., a.r.p. 1945 626 Westminster Ave., Elizabeth, N. J.

Gorrell, J. E., past a. dir. Electronic Associates, Inc., N. Long Branch, N. J.

GOSTELI, J., biochem. *Otolar.* Mass. E. & E. Inf.

Gottschalk, C. W., *M.* 1946; r.p. 1952 Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

Goulian, M., r.p. 1961 M. G. H.

Graeser, J. B., *W.M.* 1929 298 Grand Ave., Oakland, Calif.

Graham, C. P., *E.S.* 1935 and *N.S.* 1936 304 N. 11th, Wilmington, N. C.

GRAHAM, J. R., clin. assoc. *M.* (*W.M.* 1936) Faulkner Hosp., Jamaica Plain

Grant, G. J. M., r.p. *D.* 1932 9 Central, Lowell

Grant, L. H., a.r.p. 1957 Johns Hopkins Univ. Sch. of Med., Baltimore, Md.

GRANT, W. M., assoc. s. *Oph.* Mass. E. & E. Inf.

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GRAY, F. C., *Chairman of Trustees* and *Vice-President of the Corporation* 10 P. O. Sq.

Graybiel, A., *E.M.* 1932 U.S. Naval Aviation Med. Center, Pensacola, Fla.

Greeley, H. P., *W.M.* 1910 1901 Monroe, Madison, Wis.

GREEN, T. H., Jr., a.s. (*W.S.* 1947); r.s. 1953 226 Marlborough

GREENBERG, J. J., a.r.s. (*S.* 1957) M. G. H.

Greene, D. C., *C.M.* 1940 1302 Pennsylvania Ave., Hagerstown, Md.

Greene, G. S., a.r.s. *Or.* 1948 85 Jefferson, Hartford, Conn.

GREENE, J. E., clin. assoc. *M.* 23 Bay State Rd.

Greene, N. M., a.r.p. *An.* 1951 Grace-New Haven Community Hosp., New Haven, Conn.

Greene, Richard W., *M.* 1945 32 Johnson Ave., Newark, N. J.

Greene, Robert G., a.r.s. *Or.* 1953 63 S. Fullerton Ave., Montclair, N. J.

Greenhill, M. H., r.p. *Psychiat.* 1939 233 E. 69th, New York, N. Y.

Greenough, J., *W.S.* 1920 Box 22, Cooperstown, N. Y.

Greenwood, F. A. H., a.r.s. *Or.* 1959 Montreal Gen. Hosp., Montreal, Canada

GREGG, W. I., clin. assoc. *S.* (*W.S.* 1935) 1269 Beacon, Brookline

Gregory, H. E., *C.M.* 1942 N. Main, Wolfeboro, N. H.

Gregory, R. A., r.p. *N.* 1933 Provincial Hosp., Lancaster, New Brunswick, Canada

Grier, R. S., *E.M.* 1942; a.r.p. 1943 4925 Trinity Dr., Los Alamos, N. M.

GRIESEMER, R. D., a.d.; sr.r.p. *D.* 1949 Peter Bent Brigham Hosp.; M. G. H.

GRIFFEY, L. E., a.s. *Otolar.* Mass. E. & E. Inf.
Griggs, J. B., *C.M.* 1929 Breezy Hill Rd., Canton, Conn.
GRILLO, H. C., a.s. (*S.* 1948); r.s. 1955 M. G. H.
Griner, P. F., *M.* 1960; a.r.p. 1961 military service
GRISCOM, N. T., a.r.p. *R.* (*C.M.* 1957); a.r.p. *C.M.* 1958 M. G. H.
GROSS, J., assoc. biol. *M.* M. G. H.
Grossman, M. S., *C.M.* 1958; a.r.p. *C.M.* 1959 Children's Med. Center
GROVE-RASMUSSEN, M., dir. of *Blood Bank and Transfusion Service* M. G. H.
Grover, J. W., *S.* 1957; a.r.s. 1959 Boston Lying-in Hosp.
Groves, L. K., *W.S.* 1947 Cleveland Clinic Foundation, 2020 E. 93rd, Cleveland, Ohio
Grunebaum, H. U., r.p. *Psychiat.* (*McL.*) 1960 McLean Hosp., Belmont
Guardo, J. L., *N.S.* 1930; a.r.s. *N.S.* 1931 5 Aldwin Rd., Jamaica Plain
GUILD, H. R., *Trustee* and *Treasurer of the Corporation* 294 Washington
Guller, E. I., *C.M.* 1924 277 Alexander, Rochester, N. Y.
GUNDERSEN, A. ERIK, a.r.s. (*S.* 1956) M. G. H.
Gundersen, Adolf L., *S.* 1950; a.r.s. 1955 Gundersen Clinic, La Crosse, Wis.
Gundersen, Sigurd B., Jr., *S.* 1949; a.r.s. 1954 Gundersen Clinic, La Crosse, Wis.
Gundersen, Sven M., *E.M.* 1931 Hitchcock Clinic, Hanover, N. H.
Gundersen, Thorolf E., r.p. *N.* 1941 Gundersen Clinic, La Crosse, Wis.
GUNDERSEN, TRYGVE, s. *Oph.* 534 Beacon
GURALNICK, W. C., a. oral s. 328 Washington, Wellesley Hills; 29 Commonwealth Ave.
GUTHRIE, A. D., Jr., a. *Pediat.* 2 Water, Medford
Guyton, A. C., *W.S.* 1943; a.r.s. 1946 University Med. Center, Jackson, Miss.
Haase, F., Jr., past a. dir. Albany Med. Center Hosp., Albany, N. Y.
HABER, E., r.p. (*M.* 1957) M. G. H.
HACKETT, T. P., a. psychiat. M. G. H.
HACKING, P. M., a. *R.* M. G. H.
Haessler, H. A., a.r.p. *C.M.* 1960 M. G. H.
Hafter, S. Sheila, r.p. *Psychiat.* (*McL.*) 1961 M. G. H.
Haggart, G. E., *W.M.* 1920 Jordan Hosp., Plymouth
HAGGERTY, R. J., a. pediat. 300 Longwood Ave.
Haines, S. F., *W.M.* 1921 Mayo Clinic, Rochester, Minn.
Hakala, T. R., *S.* M. G. H.
Hale, C. H., sr. r.p. *R.* 1943 1200 E. Genesee, Syracuse, N. Y.
HALEY, W. D., a.s. *Oph.* 78 Church, Winchester
Hall, B., *M.* 1946 40 S. Clay, Hinsdale, Ill.
Hall, F. C., *E.M.* 1918 1180 Beacon, Brookline
Hall, H. D., *Dn.* 1958; a.r.s. *Dn.* 1959 Univ. of Alabama Med. Center, Birmingham, Ala.
Hall, M. G., *Path.* 1934 Orford, N. H.
Hall, R. G., *W.M.* 1910 731 S.E. 41st, Portland, Oreg.
HALL, T. C., a. *M.*; a. *M.* (*McL.*); a.r.p. 1954 M. G. H.
HALL, V. R., a. psychiat.; r.p. *Psychiat.* 1938 412 Beacon
HALLENBECK, D. F., Jr., a. psychiat. (*McL.*); r.p. *Psychiat.* 1949; sr. r.p. *Psychiat.* (*McL.*) 1951 McLean Hosp., Belmont
HALLOWELL, P., assoc. an.; a.r.p. *An.* 1955 M. G. H.
Halsted, J. A., *W.M.* 1932 Metropolitan Hosp., Detroit, Mich.
HALVERSTADT, D. B., a.r.s. (*S.* 1961) M. G. H.
Hamilton, Harold H., r.s. *P.H.* 1933 70 Court, Plymouth
Hamilton, Howard B., *C.M.* 1945 764 S. Emerson Ave., Indianapolis, Ind.
Hamilton, R. DeL., *E.M.* 1904 223 High, Newburyport
Hamilton, T. S., past a. dir. Hartford Hosp., Hartford, Conn.
HAMLIN, E., Jr., v.s. (*W.S.* 1936); r.s. *W.S.* 1939 M. G. H.
HAMLIN, H., a. *N.S.*; r.s. *N.S.* 1942 270 Benefit, Providence, R. I.; M. G. H.
Hammond, J. W., Jr., *C.M.* 1911 and *W.M.* 1914 Orford, N. H.

Hammond, W., *Path.* 1929
36 Crane Rd., Scarsdale, N. Y.
Hand, D. W., *Or.* 1934
450 Sutter, San Francisco, Calif.
HANELIN, J., clin. assoc. *R.*
Newton-Wellesley Hosp., Newton
Hanflig, S. S., *Or.* 1931
45 Pinehurst Rd., Belmont
Hansen, Robert H., a.r.p. *An.* 1957
286 Marion Dr., Baton Rouge, La.
HANSEN, ROBERT J., cons. *Or.*
M.I.T., Cambridge
Hanser, T. H., *E.M.* 1924
3701 Grandel Sq., St. Louis, Mo.
Haralambie, J. Q., *C.M.* 1936
17 N. Chatsworth Ave.,
Larchmont, N. Y.
Harder, H. J., a.r.p. *An.* 1952
Schwabinger Krankenhaus,
München, Germany
HARDY, HARRIET L., assoc. p.
Med. Dept., M.I.T., Cambridge
HARDY, I. B., clin. assoc. *S.* (*E.S.* 1939); a.r.s. 1942
94 Russell, Waltham
HARGRAVES, ELEANOR R., exec. a. (*R.N.*) M. G. H.
Harper, R. S., a.r.p. *Path.* 1958
M. G. H.
Harris, H. P., Jr., *N.S.* 1936
1432 Post Rd., Fairfield, Conn.
Harris, W. Robert, a.r.s. *Or.* 1952
170 St. George,
Toronto, Canada
HARRIS, WILLIAM H., a. *Or.;* sr. r.s. *Or.* 1959 M. G. H.
Harrison, Elizabeth R., *C.M.* 1928; r.p. *C.M.* 1929
255 Bradley, New Haven, Conn.
Harrison, M. B., *E.M.* 1938
2000 Van Ness Ave.,
San Francisco, Calif.
Harrison, P. W., *E.S.* 1909; h.s. *U.* 1915 Penney Farms, Fla.
Harrison, T. S., a.r.s. 1959
Grace-New Haven Community
Hosp., New Haven, Conn.
Harter, J. S., *W.S.* 1935
Med. Arts Bldg., Louisville, Ky.
Harting, D., *C.M.* 1947 USPHS,
Beaumont, Tex.
Hartwig, A. R., a.r.s. *Or.* 1948
490 Post, San Francisco, Calif.
Harty, J. E., r.p. *Psychiat.* (*McL.*) 1939
101 N. Main, Waterbury, Conn.
Harvey, R. B., *M.* 1946
251 Edwards, New Haven, Conn.
HARWOOD, R., assoc. p. (*W.M.* 1936) M. G. H.
Hashimoto, K., a.r.p. *D.* 1959
2-808 Suidocho, Niigata City,
Japan
Haswell, H. P., a.r.p. *An.* 1949
2217 Webster, San Francisco, Calif.
Hatch, Floyd F., *E.S.* 1916; h.s. *E.S.* 1917 699 E. South Temple,
Salt Lake City, Utah
HATCH, FRANCIS W., *Associate Trustee* 462 Boylston
HATCH, FREDERICK T., a.p.
M. G. H.
Hathaway, J. S., r.p. *E.M.* 1932
109 College, New Haven, Conn.
HAUSER, G., assoc. biochem. (*McL.*)
McLean Hosp., Belmont
Haut, A., *M.* 1950; r.p. 1953
Univ. of Utah Coll. of Med.,
Salt Lake City, Utah
Havemeyer, W. F., a.r.s. 1948
2509 E. Elm, Tucson, Ariz.
Hawes, C. H., *W.S.* 1931
151 Rock, Fall River
Hawes, L. E., *E.M.* 1939 and *C.M.* 1940; a.r.p. *R.* 1942
Faulkner Hosp., Jamaica Plain
Hawkes, R. S., *W.M.* 1933
47 Deering, Portland, Maine
Hawkins, R., r.s. *N.S.* 1948
571 Hamilton Ave.,
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HAYCOX, J. A., a. psychiat. (*McL.*)
McLean Hosp., Belmont
HAYDEN, E. P., *Bd. of Cons.;* h.s. *E.S.* 1923 270 Commonwealth Ave.
Hayden, J. W., a.r.s. *Or.* 1955
Gundersen Clinic, La Crosse, Wis.
HAYDEN, W. L., a. *Otolar.*
Mass. E. & E. Inf.
Hayes, D. R., *E.S.* 1939
281 State, Springfield
Haynes, Ruth C., a.r.p. *An.* 1955
131 S. Grant Ave., Columbus, Ohio
Haynes, W. M., *S.* 1952; a.r.s. 1956
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HEAD, J. M., a.s. (*S.* 1951); a.r.s. 1957 87 Chestnut
Healey, J. C., r.p. *Psychiat.* (*McL.*) 1961 Mental Health Dept.,
State Capitol Bldg., Hartford, Conn.
Heath, C. W., *W.M.* 1928
Health Service, Tufts Univ.,
Medford
Heath, P., Jr., a.r.p. 1954
22 White, Rockland, Maine

Heath, R. D., a.r.s. *Or.* 1950
Lankenau Med. Bldg., Philadelphia, Pa.

Hebertson, W. M., r.p. *N.* 1957
975 E. 1st, South, Salt Lake City, Utah

HEDBERG, S. E., a.r.s. (*S.* 1956) M. G. H.

Heffron, R., *E.M.* 1931
The Commonwealth Fund, 1 E. 75th, New York, N. Y.

Heggie, J. F., *M.* 1956
20 Cleveland Ave., Glen Head, Long Island, N. Y.

HELFANT, M. H., a.r.s. *N.S.* M. G. H.

HELGESON, N. G. P., a.r.p. *Path.* M. G. H.

HELMAN, M. E., a.d.
1874 Beacon, Brookline

Helmholz, H. F., Jr., *W.M.* 1939
Mayo Clinic, Rochester, Minn.

HENDREN, W. H., a.s. (*S.* 1953); r.s. 1958 M. G. H.

Hendrick, I., r.p. *Psychiat.* (*McL.*) 1932 84 Mount Vernon

Henley, T. F., *C.M.* 1939
7 E. 78th, New York, N. Y.

Hepburn, J. P., a.r.p. *An.* 1953
Milton Hosp., Milton

Hepburn, R. H., r.s. *U.* 1943
85 Jefferson, Hartford, Conn.

HERBST, A. L., a.r.s. (*S.* 1960) M. G. H.

HERM, R. J., a. *Oph.*
42 Weston, Waltham

HERMAN, A. E., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont

Hermann, G., *S.* 1955; a.r.s. 1961
1320 Garfield, Denver, Colo.

HERMANN, H. T., a. *Psychiat.* M. G. H.

Herrera, R. E., *E.S.* 1943; a.r.s. 1946
c/o Herrera and Co., Inc., Guatemala City, Guatemala

HERRMANN, J. B., a.r.s. (*S.* 1958) M. G. H.

Hershey, F. B., *E.S.* 1947; r.s. 1952
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Heusner, A. P., *E.S.* 1939; a.r.s. 1942 and r.s. *N.S.* 1943
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

Heyl, H. L., r.s. *N.S.* 1940
Dartmouth Med. Sch., Hanover, N. H.

Heyl, J. T., *W.M.* 1939
Phillips Exeter Acad., Exeter, N. H.

Hiden, R. B., *W.M.* 1925
Silver Hill Foundation, New Canaan, Conn.

HIEBERT, C. A., clin. assoc. *S.* (*S.* 1952); r.s. 1958 18 Bramhall, Portland, Maine

Hiebert, J. M., *C.M.* 1933
1450 Broadway, New York, N. Y.

Hiett, Joan Kazanjian, r.p. *C.M.* 1959
1101 E. Pecan, Altus, Okla.

Higbee, D. R., *W.M.* 1925
1612 Tremont Pl., Denver, Colo.

Higgins, R. B., a.r.s. *U.* 1951
Univ. of Oregon Med. Sch.; Vet. Adm. Hosp., Portland, Oreg.

HILL, J. M., a.s. *Oph.*
108 Bay State Rd.

Hill, Leonard W., *C.M.* 1935
76 Bank, Attleboro

Hill, Lewis W., *W.M.* 1915
319 Longwood Ave.

Hill, N. P., *M.* 1946; a.r.p. 1946
Truesdale Hosp., Fall River

HILL, W. R., clin. assoc. *D.* M. G. H.

Hills, H. M., Jr., *Or.* 1942
1208 Kanawha Blvd., East, Charleston, W. Va.

Hills, O. W., *M.* 1943
111 St. Matthews Ave., San Mateo, Calif.

Hinshaw, A. J., *E.S.* 1947
3155 Stagg Dr., Beaumont, Tex.

HIRSCH, L. S., a. *Otolar.*
42 Lincoln, Framingham

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186 Commonwealth Ave.

HIRSCHHORN, R. C., a.r.s. *U.* M. G. H.

HIRSCHMAN, S. Z., a.r.p. (*M.* 1962) M. G. H.

Hitchcock, J., *W.M.* 1921
39 Main, Concord

Hobson, L. B., *M.* 1944
Squibb Inst. Med. Res., 745 5th Ave., New York, N. Y.

Hochwalt, W. R., *Or.* 1931; r.s. *Or.* 1931 2300 Far Hills Ave., Dayton, Ohio

Hodges, T. W., *Or.* 1941
9323 Garland Rd., Dallas, Tex.
HODGSON, J. S., hon. s. (*W.S.* 1916); h.s. *W.S.* 1916 and *E.S.* 1920 1180 Beacon, Brookline
Hoeffel, G. N., *C.M.* 1922; h.p. *C.M.* 1923 Truro
Hofer, M. A., II, *M.* 1959; a.r.p. 1960 New York Hosp., New York, N. Y.
Hoffer, A., *M.* M. G. H.
Hoffman, H. A., r.s. *U.* 1946
60 8th, New Bedford
Hoffman, Nancy Davis, a.r.p. *An.* 1960 Base Hosp., Fort Carlson, Colorado Springs, Colo.
Hogan, J. F., *M.* 1949 and *C.M.* 1950; a.r.p. *C.M.* 1951
156 Broadway, Pawtucket, R. I.
Holbrook, A. A., *C.M.* 1933 and *E.M.* 1934 425 E. Wisconsin Ave., Milwaukee, Wis.
HOLDER, R., assoc. psychiat. (*M.* 1945); r.p. *Psychiat.* 1946
274 Commonwealth Ave.
Holihan, J. P., *E.S.* 1943; a.r.p. *An.* 1949 Andover
HOLLAND, D. J., Jr., clin. assoc. *Dn. M.* (*Dn.* 1938); a.r.s. *Dn.* 1947
1146 Beacon, Brookline
Holland, Jimmie Brockman, r.p. *Psychiat.* 1955
Edward J. Meyer Memorial Hosp., Buffalo, N. Y.
HOLMES, E. M., s. *Otolar.*
330 Dartmouth
HOLMES, ESTELLE, exec. a. *B.M.* M. G. H.
HOLMES, J. A., clin. assoc. *S.* (*Path.* 1936 and *E.S.* 1938)
94 Russell, Waltham
Holmes, R. B., r.p. *R.* 1950
Toronto Gen. Hosp., Toronto, Canada
Holmes, S. G., *C.M.* 1943
1606 E. La Rua, Pensacola, Fla.
Holt, C. L., *N.S.* 1938
29 Deering, Portland, Maine
Holt, W. L., Jr., r.p. *N.* 1937
Albany Med. Center Hosp., Albany, N. Y.
Holtz, A. I., *C.M.* 1958
National Inst. of Health, Bethesda, Md.
HOMANS, J., Jr., a. *M.* (*W.M.* 1942); a.r.p. 1946 1776 Beacon, Brookline
Hoodless, E. C., a.r.s. *Or.* 1952
Kaiser Foundation Hosp., Honolulu, Hawaii
Hopkins, C. E., a.r.p. *C.M.* 1948
113 N. Carroll, Madison, Wis.
Hopkins, F. S., *E.S.* 1919
146 Chestnut, Springfield
Hopkins, R. W., *S.* 1948; a.r.s. 1954
Cleveland Metropolitan Gen. Hosp., Cleveland, Ohio
Hopkins, S. W., *E.S.* 1936
28 Orne, Marblehead
Hormell, R. S., *Or.* 1942
1152 Beacon, Brookline; 8 Porter, Melrose
Horn, C. E., *Or.* 1940; r.s. *Or.* 1942
2901 Capitol Ave., Sacramento, Calif.
Horwitz, W. H., r.p. *Psychiat.* (*McL.*) 1951 220 Bushkill, Easton, Pa.
Houser, G. F., past a. dir.
26 Overlook Circle, New Rochelle, N. Y.
Hovsepian, Jeannette A., a.r.p. *R.* 1958
Johns Hopkins Hosp., Baltimore, Md.
Howard, F. H., *C.M.* 1949; a.r.p. *C.M.* 1950
Dhahran Health Center, Dhahran, Saudi Arabia
Howard, H. H., *W.S.* 1914
Fishers Lane, Delray Beach, Fla.
Howard, J. E., *W.M.* 1930
Johns Hopkins Hosp., Baltimore, Md.; Union Memorial Hosp., Baltimore, Md.
HOWARD, P. M., assoc. c. psychiat. (*McL.*); psychiat.; r.p. *Psychiat.* 1937; r.p. *Psychiat.* (*McL.*) 1939
McLean Hosp., Belmont
HOWE, HENRY D., dn.s. (*Dn.* 1945) 196 Marlborough
Howe, Henry F., r.s. *P.H.* 1934
11 N. Main, Cohasset
HOWE, LOUISA P., a. sociol. *Psychiat.* 20 Whittier
Howland, J. B., past a. dir. (*W.S.* 1897) 657 Main, Hingham
Hoyt, W. F., *W.S.* 1932; r.s. *W.S.* 1934 130 Maple, Springfield
Hubbard, E., Jr., *W.M.* 1921
29 Highland, Cambridge
Huber, W. M., r.p. *D.* 1937
512 Beacon
Huckell, J. R., a.r.s. *Or.* 1958
McLeod Bldg., Edmonton, Alberta, Canada
Hugenberger, P. W., *Path.* 1931 and *Or.* 1935; r.p. *Path.* 1932
234 Marlborough

HUGGARD, MIRIAM, exec. a. *P.H.* (*S.N.* 1931) M. G. H.

HUGGINS, C. E., a. *S.* (*S.* 1953); r.s. 1960 M. G. H.

Hughes, H. C., *Or.* 1937
1750 Race, Denver, Colo.

Hughes, J. R., *M.* 1961
Boston City Hosp.

Hügin, W., a.r.p. *An.* 1948
Chir Klink im Burgerspital, Basel, Switzerland

Hummel, L. E., *Path.* 1932
Edward J. Meyer Memorial Hosp., Buffalo, N. Y.

Humphreys, S. P., *Or.* 1936; a.r.s. *N.S.* 1937 266 Beacon

Hunt, R. T. N., *Path.* 1957; a.r.p. *Path.* 1958 555B Forney Loop, Fort Belvoir, Va.

Hunt, S. P., a.r.p. *Psychiat.* 1940
520 Skiff, North Haven, Conn.

Hunter, R. W., a.r.p. *N.* 1939
Hitchcock Clinic, Hanover, N. H.

HUNTINGTON, B. L., a.p. (*W.M.* 1940)
John Hancock Mut. Life Ins. Co.

Huntington, J. L., *S.S.* 1908
River Dr., Hadley

Hüppe, J. R., r.p. *R.* 1957
Goethe Str. 45, München 15, Germany

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270 Commonwealth Ave.

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Hurxthal, L. M., *W.M.* 1925; r.p. *E.M.* 1927 Lahey Clinic

Huston, L. L., *Or.* 1937
67 Converse, Longmeadow

Hyatt, G. T., *W.S.* 1931 and *Or.* 1934 1106 W. Franklin, Evansville, Ind.

HYSLOP, N. E., Jr., a.r.p. (*M.* 1962) M. G. H.

Ibsen, B., a.r.p. *An.* 1950
Solotorvet 84, Copenhagen K, Denmark

Ilfeld, F. W., *Or.* 1937; r.s. *Or.* 1937
436 N. Roxbury Dr., Beverly Hills, Calif.

Ingalls, T. H., r.p. *C.M.* 1938
Univ. of Pennsylvania Sch. of Med., Philadelphia, Pa.

INGERSOLL, F. M., assoc. v.s. (*W.S.* 1939); a.r.s. 1942 226 Marlborough

IRWIN, J. W., a. *M.* M. G. H.

Isaacs, J. P., a.r.p. *An.* 1952
Johns Hopkins Hosp., Baltimore, Md.

ISSELBACHER, K. J., assoc. p. (*M.* 1950); r.p. 1953 M. G. H.

Ives, L. M., r.p. *Psychiat.* (*McL.*) 1933 130 Maple, Springfield

Jackanich, R. F., a.r.p. *An.* 1959
USPHS Hosp., San Francisco, Calif.

Jackson, B. B., *S.* 1953; a.r.s. 1957
Heyburn Bldg., Louisville, Ky.

Jackson, H., Jr., *E.M.* 1919
Tryon, N. C.

Jackson, Lee, r.p. *Psychiat.* (*McL.*) 1959 Children's Med. Center

JACOBSON, B. M., p. M. G. H.

JACOBY, G. A., Jr., a.r.p. (*M.* 1959) M. G. H.

JAKO, G., a. *Otolar.* 8 Porter, Melrose

James, G. W., III, *M.* 1944
Med. Coll. of Virginia, Richmond, Va.

JAMES, L. P., Jr., a.r.p. *Path.* (*S.* 1959) M. G. H.

James, W. J., r.s. *N. S.* 1949
2929 Loma Vista Rd., Ventura, Calif.

JAMISON, R. L., a.r.p. (*M.* 1961) M. G. H.

JANOWER, M. L., a.r.p. *R.*
military service

JARDETZKY, O., cons. *Pharm.* H. M. S.

Javid, M., r.s. *N.S.* 1952
University Hosp., Madison, Wis.

JEANLOZ, R. W., biochem. *M.* M. G. H.

Jefferies, W. McK., *E.M.* 1942
University Hosp., Cleveland, Ohio

Jenkins, M. T., a.r.p. *An.* 1948
Univ. of Texas Southwestern Med. Sch., Dallas, Tex.

Jergesen, F. H., *Or.* 1942
384 Post, San Francisco, Calif.

Jessner, Lucie, r.p. *Psychiat.* (*McL.*) 1939 Univ. of North Carolina, Chapel Hill, N. C.

Jobe, M. C., *C.M.* 1924
227 16th, Denver, Colo.

JOHANNET, P., a. psychiat.
262 Beacon

JOHNSON, C. C., assoc. s. *Oph.*
5 Bay State Rd.

Johnson, Dale G., *S.* 1957; a.r.s. 1961
Walter Reed Army Inst. of Res., Washington, D. C.

JOHNSON, DAVID S., a. *Oph.*
203 Commonwealth Ave.

Johnson, F. G., *Dn.* 1943
Litchfield Turnpike, Bethany, New Haven, Conn.

Johnson, Louis F., a.r.p. *An.* 1954
military service

Johnson, Louis G., *Path.* 1940 and *E.M.* 1942; a.r.p. 1942
Royal Victoria Hosp., Montreal, Canada

Johnson, N. P., *E.M.* 1925
1409 Willow, Minneapolis, Minn.

Johnson, O. R., r.p. *D.* 1931
18 Deering, Portland, Maine

Johnson, P. R., *Path.* 1936
85 Jefferson, Hartford, Conn.

Johnson, R. T., a.r.p. *N.* 1960
M. G. H.

Johnson, V. S., sr. r.s. *Or.* 1955
27 Elm, Worcester

Johnston, E. V., *W.S.* 1947
312 W. 8th Ave., Spokane, Wash.

Jones, B. B., *E.M.* 1918 and *C.M.* 1919
526 North Blvd., Richmond, Va.

JONES, C. M., *Bd. of Cons.* (*E.M.* 1919); h.p. *E.M.* 1921 M. G. H.

Jones, F. S., *Or.* 1932
85 Jefferson, Hartford, Conn.

Jones, G. E., *E.S.* 1939; a.r.s. 1942
108 W. 22nd, Olympia, Wash.

JONES, H. W., Jr., a. *M.*
330 Dartmouth

JONES, K. E., a. *M.* 135 Clarendon

JONES, R. H., a. *M.;* r.p. 1959
M. G. H.

Jones, T. B., *Thd. S.* 1924
1351 Mount Hope Ave., Rochester, N. Y.

Jones, Wallace A., a.r.p. *Path.* 1959
M. G. H.

Jones, William Nicholas, a.r.s. *Or.* 1954 35 Huntington, New London, Conn.

JONES, WILLIAM NORMAN, a.s. *Or.* (*Or.* 1947) M. G. H.

JOPLIN, R. J., a.s. *Or.* (*Path.* 1929 and *Or.* 1933)
1180 Beacon, Brookline

JORDAN, E. F., a.r.s. *N.S.* M. G. H.

Jordan, W. R., *W.M.* 1930
1631 Monument Ave., Richmond, Va.

Joseph, A. T., *Dn.* 1941
475 Commonwealth Ave.

JOSEPH, J. B., a.r.p. *C.* M. G. H.

Josse, J. W., *M.* 1957; a.r.p. 1958
Johns Hopkins Univ. Sch. of Med., Baltimore, Md.

JOYCE, JOSEPHINE, exec. a. (*R.N.*) M. G. H.

Judd, A. B., *S.* 1955
59 Broad, Eatontown, N. J.

Judd, J. M., *E.S.* 1944; j.r.s. *E.S.* 1945; r.s. *N.S.* 1946
Murray Hill, Mount Morris, N. Y.

Justi, R. A., r.p. *Path.* 1956
Jackson Memorial Hosp., Miami, Fla.

Kahn, D. S., r.p. *Path.* 1950
St. Mary's Hosp., Montreal, Canada

KAHNE, M. J., assoc. psychiat. (*McL.*)
McLean Hosp., Belmont

KAIL, ALEXANDRA M., a.r.p. *Psychiat.* M. G. H.

KALCKAR, BARBARA W., assoc. biochem. *M.* M. G. H.

KALCKAR, H. M., biochem. *Res. Chem.* M. G. H.

Kalil, T. H., a.r.p. *R.* 1946
795 Elm, Manchester, N. H.

KANE, L. W., a. *M.* (*W.M.* 1941) M. G. H.

Kantor, M., a.r.p. *Psychiat.* 1960 M. G. H.

KAPLAN, S., a. psychiat.
23 Bay State Rd.

Karian, E., a.r.p. *D.* 1955
270 Commonwealth Ave.

*Karnes, W. E., r.p. *N.* 1958
Box 25, U.S. Air Force Hosp., Travis Air Force Base, Calif.

KARTCHNER, M. M., a.r.s. (*S.* 1958) M. G. H.

Katz, A. M., *M.* 1957; a.r.p. 1960
5210 Greenwood, Chicago, Ill.

Katz, S. L., a.r.p. *C.M.* 1955
Children's Med. Center

Kaufman, H. E., *M.* 1957
Mass. E. & E. Inf.

Kaufman, M. R., r.p. *Psychiat.* (*McL.*) 1933 Mount Sinai Hosp., New York, N. Y.

Kaufmann, G. G., a.r.p. 1941
15 Dix, Winchester

KAZANJIAN, K. A., a.s. *Otolar.;* r.p. *D.* 1933
475 Commonwealth Ave.

KAZANJIAN, V. H., hon. s.
475 Commonwealth Ave.

KEARSLEY, R. B., assoc. pediat. (*C.M.* 1954); c.r.p. *C.M.* 1956 M. G. H.

*Not in States and Cities section of this Directory

Keats, A. S., a.r.p. *An.* 1951
Baylor Univ. Coll. of Med., Houston, Tex.
Keeley, J. K., *N.S.* 1937; r.s. *P.H.* 1938 103 S. Hamilton, Poughkeepsie, N. Y.
KEENAN, T. J., a. *An.;* a.r.p. *An.* 1959 M. G. H.
Keevil, C. S., Jr., *M.* 1956; r.p. 1958
Concord Med. Center, Concord
Keiser, R. P., *Or.* 1942
Coral Gables Clinic, Coral Gables, Fla.
KEITT, A. S., a.r.p. (*M.* 1962) M. G. H.
KELEMEN, G., res. cons. *Otolar.* Mass. E. & E. Inf.
KELLER, J. W., a. *M.* 266 Beacon
KELLEY, RITA M., assoc.p. (*M.* 1947); r.p. 1949 M. G. H.
KELLEY, S. B., v.u. (*E.S.* 1931); r.s. *U.* 1933 412 Beacon
KELLY, J. F., podiatrist *Or.*
924 Statler Office Bldg.
KELLY, L. T., a. *An.;* a.r.p. *An.* 1961 M. G. H.
Kendrick, J. I., *Or.* 1933
2020 E. 93rd, Cleveland, Ohio
Kennard, H. E., *W.S.* 1934
246 Dudley Rd., Newton Centre
Kennedy, B. Hughes, *C.M.* 1921
2940 Clairmont Ave., Birmingham, Ala.
Kennedy, Byrl J., *M.* 1946; r.p. 1952
Univ. of Minnesota Med. Center, Minneapolis, Minn.
KENNEDY, D. A., a. soc. anthropol. (*McL.*) 3 Felton, Cambridge
Kennedy, J. H., *S.* 1950; a.r.s. 1955
7755 Fay Ave., La Jolla, Calif.
Kennedy, R. P., *Thd. S.* 1924
Box 262, Richmond, Ind.
Kenner, G., a.r.s. *Or.* 1961
540 Parker, Newton
KENT, C., assoc. s. *Otolar.*
270 Commonwealth Ave.
KERMOND, W. L., a. *Or.*
175 Washington, Winchester
Kernan, R. D., *Path.* 1945
3 rue Edouard Nortier, Neuilly-sur-Seine, France
KERR, WALTER S., Jr., assoc. v.u. (*W.S.* 1943); a.r.s. 1947; r.s. *U.* 1949 M. G. H.
Kerr, William J., *W.M.* 1916
Box 338, Blue Lake, Humboldt County, Calif.
Kerrigan, G. A., *C.M.* 1950; c.r.p. *C.M.* 1952
Milwaukee Children's Hosp., Milwaukee, Wis.
Kershaw, Beatrice R., r.p. *Psychiat.* (*McL.*) 1939
29 Louise Rd., Belmont
KETCHUM, P., *Trustee* and *President of the Corporation* 294 Washington
Ketchum, W. F., *C.M.* 1948
11 Main, Cooperstown, N. Y.
Kettle, R. H., r.p. *Psychiat.* (*McL.*) 1931 Norwich State Hosp., Norwich, Conn.
KEUPER, C. S., a. *D.;* r.p. *D.* 1951
Concord Med. Center, Concord
Key, R. E., sr.r.s. *Or.* 1958
800 5th Ave., Fort Worth, Tex.
Key, W. A., *Or.* 1927
23 Baldwin Ave., San Mateo, Calif.
Keyes, G. H., *M.* 1947
Ogden Clinic, Ogden, Utah
Kiely, B., *M.* 1952
University Hosp., Madison, Wis.
Kilfoyle, R. M., a.r.s. *Or.* 1951
457 Main, S. Weymouth
Kimball, P. G., *Dn. M.* 1961 M. G. H.
Kimberly, C. H., r.p. *N.* 1929
Stockbridge
Kimura, K. K., *C.M.* 1955; a.r.p. *C.M.* 1956
Atlas Chemical Industries, Inc., Wilmington, Del.
*Kind, H. A., *C.M.* 1935
U.S. Army Dispensary, Fort Hamilton, Brooklyn, N. Y.
KING, D. S., hon. p. (*E.M.* 1920)
4 Downing Rd., Hanover, N. H.
King, H. S., a.r.p. *C.M.* 1959
20 Egmont, Brookline
King, W. B., Jr., a.r.p. *Path.* 1956
700 Fleet, Baltimore, Md.
Kinney, R. J., a.r.p. 1943
Box 669, Fort Bayard, N. M.
KINOSHITA, J. H., biochem. *Oph.* Mass. E. & E. Inf.
Kinsey, Dera, a.r.p. 1939
203 Commonwealth Ave.
KIRKWOOD, S. B., *Bd. of Cons.* (*W.S.* 1934) 1180 Beacon, Brookline
KITE, O. W., dn.s. (*Dn.* 1951)
29 Bay State Rd.
Kitts, A. W., r.p. *C.M.* 1941
346 W. Baltimore Ave., Media, Pa.

*Not in States and Cities section of this Directory

KJELLBERG, R. N., a. *N.S.*; r.s. *N.S.* 1959 M. G. H.
Klaus, Hanna, a.r.p. *Path.* 1953
8400 Pine Rd., Philadelphia, Pa.
Kleaveland, R.N., *S.* 1952; a.r.s. 1956
Medical Center, Spokane, Wash.
Klein, David M., r.s. *N.S.* 1961
Edward J. Meyer Memorial Hosp., Buffalo, N. Y.
KLEIN, DONALD C., assoc. psychol.
11 Abbott Rd., Wellesley
Klein, E., a.r.p. *D.* 1959 M. G. H.
KLEINMAN, L. I., a.r.p. *C.* (*C.M.* 1961) M. G. H.
KLINE, R. M., a.r.p. *C.* (*C.* 1962) M. G. H.
Klingensmith, W. E., *S.* 1955; a.r.s. 1961 Beckley Memorial Hosp., Beckley, W. Va.
KLOTZ, R. E., assoc. s. *Otolar.*
Mass. E. & E. Inf.
Knapp, M. R., a.r.p. *An.* 1955
4601 E. Douglas, Wichita, Kan.
Knapp, P. H., a.r.p. *Psychiat.* 1947
Boston Univ.-Mass. Memorial Hosp. Med. Center
Knapp, R. G., Jr., *Dn.* 1950
258 Genesee, Utica, N. Y.
Kneisel, J. J., *E.M.* 1940
15 W. 12th, New York, N. Y.
KNOWLES, J. H., gen. dir.; assoc. p. (*M.* 1952); c.r.p. 1958 M. G. H.
Koch-Weser, J., *M.* 1955; r.p. 1959 H. M. S.
Koppel, Elizabeth A., a.r.p. *An.* 1954
437 Cedar, N.W., Washington, D. C.
Korn, D., *Path.* 1960
National Inst. of Health, Bethesda, Md.
KORNFELD, W., a. attend. psychiat. (*McL.*) 1419 Beacon, Brookline
Kosek, Margaret Single, a.r.p. *C.M.* 1958 Palo Alto Med. Clinic, Palo Alto, Calif.
Kozol, H. L., *E.M.* 1936
115 Bay State Rd.
Kramer, J. G., *C.M.* 1917
159 S. Main, Akron, Ohio
KRANE, S. M., a.p. (*M.* 1952); c.r.p. 1957 M. G. H.
KRANES, A., p. (*W.M.* 1932); c.r.p. 1935 M. G. H.
KRAUS, P. S., assoc. attend. psychiat. (*McL.*) 12 Longfellow Rd., Wellesley
Kraut, H. L., a.r.p. *D.* 1957
1742 Summer, Stamford, Conn.
Kravitz, A. R., *M.* 1955
Beth Israel Hosp.
KRAYER, O., cons. *Pharm.* H. M. S.
Kreisle, J. E., *W.M.* 1943; r.p. 1947
2317 Longview Ave., Austin, Tex.
KRICKSTEIN, H. I., a.r.p. *Path.* M. G. H.
Kristjansson, H., a.r.s. *Or.* 1946
address unknown
KUBIK, C. S., hon. p. M. G. H.
KUBZANSKY, P. E., a. psychol.
Boston Univ., 308 Bay State Rd.
Kuhlman, E. G., *C.M.* 1925
122 W. 5th, E. Liverpool, Ohio
Kuhlmann, R. F., sr. r.s. *Or.* 1948
80 Colchester Ave., Burlington, Vt.
Kuhn, W. G., Jr., a.r.s. *Or.* 1949
251 Powers, New Brunswick, N. J.
Kuhns, J. G., *Or.* 1926
416 Marlborough
Kuldau, J. M., r.p. *Psychiat.* (*McL.*) 1961 McLean Hosp., Belmont
Kulka, J. P., a.r.p. *Path.* 1947
Robert Breck Brigham Hosp.
KUNZ, L. J., b. M. G. H.
KUPFER, C., a. *Oph.*
Mass. E. & E. Inf.
KUWABARA, T., a. *Oph.* path.
Mass. E. & E. Inf.
Lacey, W. H., *W.S.* 1917
W. Hill Rd., Keene, N. H.
Lake, M., *W.M.* 1924
11 E. 68th, New York, N. Y.
Lambert, E. C., *E.M.* 1943
Children's Hosp., Buffalo, N. Y.
Lambert, J. T., *W.M.* 1942
768 Park Ave., New York, N. Y.
LAMBORG, M. R., a. biochem. *M.* M. G. H.
LAMDIN, SUSANNE J., a. *An.* (*C.M.* 1953); a.r.p. *An.* 1959 M. G. H.
LAMKINS, B. E., a.r.p. *D.* M. G. H.
LAMONT, J. H., assoc. psychiat.; sr.r.p. *Psychiat.* (*McL.*) 1951 M. G. H.
LAMPERT, N. R., a.r.s. (*S.* 1960) M. G. H.
Lamson, P. D., *E.M.* 1910
Vanderbilt Univ. Med. Sch., Nashville, Tenn.
Lang, D. J., a.r.p. *C.* 1961
National Inst. of Health, Bethesda, Md.
Langer, G. A., *M.* 1955; r.p. 1960
Dept. of Cardiovascular Research, Univ. of California at Los Angeles Med. Center, Los Angeles, Calif.

LANGEVIN, H. J., a. admin. (*McL.*) McLean Hosp., Belmont
Lansing, C., *C.M.* 1948; a.r.p. *C.M.* 1950
North Carolina Memorial Hosp., Chapel Hill, N. C.
LANSKY, L. M., a. psychol.
Harvard Grad. Sch. of Education, 6 Everett, Cambridge
Larkey, J., *W.S.* 1928
431 30th, Oakland, Calif.
Laron, Z., r.p. *C.M.* 1955
Beilinson Hosp., Petah Tiqva, Israel
LARSON, C. B., *Bd. of Cons.* (*Or.* 1938) State Univ. of Iowa; Children's Hosp., Iowa City, Iowa
Lassiter, W. E., *M.* 1955; a.r.p. 1956
59 Hamilton Rd., Chapel Hill, N. C.
Laster, L., *M.* 1950; r.p. 1953
National Inst. of Health, Bethesda, Md.
LAVER, M. B., a. an. M. G. H.
LAWLOR, R. C., a. *Oph.*
9 Central, Lowell
Lawrence, G. Hugh, *W.S.* 1947; a.r.s. 1952 1118 9th Ave., Seattle, Wash.
LAWRENCE, GLENN W., dn.s.
25 Bay State Rd.
LAWRENCE, JOHN E., *Trustee*
177 Milk
Lawrence, John S., *W.M.* 1925
Med. Sch. of Univ. of California South, Los Angeles, Calif.
Layzer, R. B., *M.* 1958; a.r.p. 1959
Columbia-Presbyterian Med. Center, New York, N. Y.
Lazarus, H. R., r.p. *Psychiat.* (*McL.*) 1959 166 Almont, Mattapan
Leach, C. A., Jr., a.r.p. *C.M.* 1951
525 Southfield Rd., Birmingham, Mich.
LEADBETTER, G. W., Jr., a. u.; sr.r.s. *U.* 1959 M. G. H.
LEADBETTER, W. F., c. *U.* M. G. H.
LEAF, A., p. (*M.* 1944) M. G. H.
LEAHEY, B. D., s. *Oph.*
9 Central, Lowell
LEAPE, L. L., Jr., a.r.s. (*S.* 1960) M. G. H.
LeBARON, F. N., assoc. biochem. (*McL.*) McLean Hosp., Belmont
Ledbetter, Betsy A., a.r.p. *An.* 1955
1513 Line Ave., Shreveport, La.
LeDonne, J. E., r.p. *D.* 1952
357 Essex, Salem
Lee, J. M., *C.M.* 1916
706 Church, Nashville, Tenn.
LEE, R. I., hon. p. (*E.M.* 1907)
446 Walnut, Brookline
Leeman, C. P., *M.* 1960
Mass. Mental Health Center
Leeper, R. W., r.p. *D.* 1950
Kaiser Foundation Hosp., Oakland, Calif.
LEES, MARJORIE B., assoc. biochem. (*McL.*) McLean Hosp., Belmont
LEES, R. S., a.r.p. (*S.* 1960) M. G. H.
Legge, R. F., *Or.* 1935
Gorgas Hosp., Balboa Heights, Canal Zone
Leiderman, P. H., r.p. *Psychiat.* 1957
Mass. Mental Health Center
Leidholt, J. D., a.r.s. *Or.* 1952
1855 Gaylord, Denver, Colo.
Leigh, A. D., r.p. *Psychiat.* 1948
150 Harley, London W. 1, England
Leighton, J., r.p. *Path.* 1949
Univ. of Pittsburgh Sch. of Med., Pittsburgh, Pa.
Leinbach, T. C., a.r.s. *Or.* 1956
330 N. 5th, Reading, Pa.
Leister, C. M., *C.M.* 1934
1731 W. Broad, Bethlehem, Pa.
LEITNER, A., a.r.p. M. G. H.
LELE, P. P., a. neurophysiol. *N.S.* M. G. H.
LENTINE, J., s. *Otolar.*
15 Bay State Rd.
Leonard, L. M., sr.r.s. *Or.* 1961
military service
LEPPER, EDNA S., assoc. dir. *Nurs. Serv.* (*S.N.* 1926) M. G. H.
LERMAN, J., p.
370 Commonwealth Ave.
LESKOWITZ, S., assoc. immunol. *M.* M. G. H.
Letsou, V. G., a.r.p. *D.* 1956
170 Merrimack, Lowell
Levene, M. B., r.p. *R.* 1954
636 Beacon
LEVENTHAL, C. M., a.r.p. *N.* M. G. H.
LEVER, W. F., *Bd. of Cons.*; a.r.p. *D.* 1938 Boston Dispensary, 25 Bennet
Levey, B., r.p. *Psychiat.* (*McL.*) 1962
McLean Hosp., Belmont
LEVEY, R. H., a.r.s. (*S.* 1960) M. G. H.
Levine, Herbert J., a.r.p. 1958
Peter Bent Brigham Hosp.
LeVINE, HERBERT O., a. *Psychiat.*
379 Central, Auburndale
LEVITAN, J. J., a.dn.s. 80 Boylston

Levy, S. W., a.r.p. *D.* 1951
450 Sutter,
San Francisco, Calif.

LEWIS, D. K., assoc. s. *Otolar.*
1 Emerson Pl., Charles River Pk.;
Mass. E. & E. Inf.

Lewis, E. O., sr.r.p. *R.* 1945
St. Luke's Hosp., New Bedford

Lewis, James, *W.M.* 1935 and *C.M.* 1936
281 State, Springfield

LEWIS, JOHN L., Jr., a.r.s. (*S.* 1958)
M. G. H.

LEWIS, JOSEPH L., clin. assoc. *C.* (*C.M.* 1936); r.p. *C.M.* 1937
25 Grant, Waltham

Lezer, L. R., past a. dir.
Crotched Mountain Foundation,
Greenfield, N. H.

Licciardello, A. T., *M.* 1948; a.r.p. 1949
2875 Main, Stratford, Conn.

Lichtenwalner, C. S., *M.* 1950; a.r.p. 1951
Sch. of Med.,
American Univ. of Beirut,
Beirut, Lebanon

Lichty, J. S., past a. dir.
Akron Gen. Hosp., Akron, Ohio

LIEBMAN, S. D., assoc.s. *Oph.*
115 Bay State Rd.

Liffmann, K. E., *Dn.* 1956
U.S. Air Force Hosp.,
Loring A.F.B., Maine

LIFVERGREN, SARAH M., exec. a. *Gen. Hosp.* and *B.M.* (*S.N.* 1930)
M. G. H.

Lilly, T. E., Jr., *E.S.* 1943
Argyle Bldg., Kansas City, Mo.

Lincoln, J. R., *Or.* 1918
709 Main, Wareham

LINCOLN, R. C., dn.s. (*Dn.* 1953)
M. G. H.

LINDEMANN, E., c. *Psychiat.;* psychiat. (*McL.*)
M. G. H.

Linenthal, A. J., a.r.p. 1944
1265 Beacon, Brookline

LINGEMAN, B. S., a. *Oph.*
328 Washington, Wellesley Hills

Lingenfelter, G. P., *D.* 1910
1612 Tremont Pl., Denver, Colo.

Lingley, J. R., a.r.p. *R.* 1931
27 Elm, Worcester

LINTON, R. R., *Bd. of Cons.* (*W.S.* 1928); r.s. *W.S.* 1930
1180 Beacon, Brookline

Lipman, M. M., r.p. 1959
Scarsdale Med. Center,
Scarsdale, N. Y.

Lipowski, Z. J., a.r.p. *Psychiat.* 1959
Royal Victoria Hosp.,
Montreal, Canada

Little, J. B., r.p. *R.* 1961
M. G. H.

LITTLEFIELD, J. W., a. *M.* (*M.* 1948); r.p. 1950
M. G. H.

LITTMANN, D., clin. assoc. *M.*
Vet. Adm. Hosp.,
W. Roxbury

LITWIN, S. B., a.r.s.
M. G. H.

Liu, C. T., r.s. *N.S.* 1946
1429 Nursery Lane,
Walnut Creek, Calif.

Lium, R., *E.S.* 1935
388 State, Portsmouth, N. H.

Livermore, G. R., Jr., *W.S.* 1943
Baptist Memorial Hosp.,
Memphis, Tenn.

Livingston, W. K., *W.S.* 1922
Camp Sherman, Oreg.

LIVINGSTONE, J. B., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont

Lloyd, J. B., *E.S.* 1944; sr. r.s. 1946
Lemuel Shattuck Hosp.

Locke, E. A., *E.M.* 1902
Wilton, N. H.

Locke, H. L. F., *C.M.* 1912
293 Farmington Ave.,
Hartford, Conn.

Locksley, H. B., *S.* 1950; sr. r.s. *N.S.* 1956
University Hosp.,
State Univ. of Iowa, Iowa City, Iowa

Loeb, J. N., *M.*
M. G. H.

Loeb, R. F., *W.M.* 1920
950 Park Ave., New York, N. Y.

LOFTFIELD, R. B., assoc. biochem. *M.*
M. G. H.

Lombroso, C. T., a.r.p. *N.* 1955
Children's Med. Center

LORCH, S., a. *Math. Psychiat.*
M. G. H.

LORENZ, MARIA, a. psychiat.; assoc. psychiat. (*McL.*); sr.r.p. *Psychiat.* (*McL.*) 1949
M. G. H.

LOS, E., a. *An.;* a.r.p. *An.* 1961
M. G. H.

Lothrop, O. A., *W.S.* 1909
91 Neshobe Rd., Waban

Lotz, M., *M.* 1959; a.r.p. 1960
M. G. H.

Lowd, H. M., Jr., *C.M.* 1941
359 Essex, Salem

Lowe, C. U., r.p. *C.M.* 1948
219 Bryant, Buffalo, N. Y.

LOWELL, F. C., p.
M. G. H.

LOWELL, J. D., a. *Or.*; a.r.s. *Or* 1953
M. G. H.

LOWELL, R., *Trustee* 100 Franklin

Lowell, W. H., Jr., a.r.p. 1940
85 Jefferson, Hartford, Conn.
LOWENSTEIN, E., a.r.p. *An.*
M. G. H.
Lowis, S., *N.S.* 1936; r.s. *N.S.* 1940
475 Commonwealth Ave.
Lowrey, S. R., r.s. *U.* 1936
170 St. George, Toronto, Canada
Luck, D. J. L., *M.* 1954; r.p. 1958
Rockefeller Inst. Med. Res.,
66th and York Ave.,
New York, N. Y.
Ludwig, A. O., *E.M.* 1932; r.p. 1936; r.p. *Psychiat.* (*McL.*) 1937
2 W. Cedar
Ludwig, G. D., a.r.s. 1950
Hosp. of Univ. of Pennsylvania,
Philadelphia, Pa.
Luessenhop, A. J., r.s. *N.S.* 1957
Georgetown Univ. Hosp.,
Washington, D. C.
Luikart, R. H., *W.S.* 1917
Med. Arts Bldg., Omaha, Nebr.
Luikart, R. H., II, *M.* 1944; a.r.p. *D.* 1948
1532 Anacapa, Santa Barbara, Calif.
Lund, C. C., *E.S.* 1922; h.s. *Thd. S.* 1923
319 Longwood Ave.
Lund, I., a.r.p. *An.* 1947
Ulleval Sykehus,
Oslo, Norway
Lunt, L. K., *W.M.* 1916
1125 Pecos Rd., Santa Fe, N. M
LUONGO, M. A., cons. *Forensic Path.* (*Path.* 1946); a.r.p. *Path.* 1947
H. M. S.
Lurie, A. S., a.r.p. *D.* 1959
150 Bradlee Ave.,
Swampscott
Lyons, C., *W.S.* 1933; r.s. 1936
Univ. of Alabama Med. Center,
Birmingham, Ala.
Lytton, W. B., r.p. *Psychiat.* (*McL.*) 1937
St. Vincent's Hosp.,
St. Louis, Mo.
MABREY, R. E., a.s.
270 Commonwealth Ave.
McAlpine, F. S., c.r.p. *An.* 1957
Lahey Clinic
McARTHUR, JANET W., assoc.p.; a.r.p. 1944
M. G. H.
MacAusland, A. R., *W.S.* 1911
218 Commonwealth Ave.
MacAUSLAND, W. R., Jr., a.s. *Or.*
412 Beacon
McCann, S. M., *M.* 1949; a.r.p. 1950
Univ. of Pennsylvania Sch. of Med.,
Philadelphia, Pa.
McCARTEN, HELENA, exec. a. *P.H.* (*S.N.* 1933)
M. G. H.
McCARTHY, P. L., a.d.
36 Adams, Quincy
McClellan, Betty J., *Path.* 1958; a.r.p. *Path.* 1960
Johns Hopkins Hosp.,
Baltimore, Md.
McClellan, W. S., *W.M.* 1925
Univ. of North Carolina
Sch. of Med., Chapel Hill, N. C.
McCLELLAND, W. K., clin. assoc. *S.*
497 Main,
Greenfield
McClung, J. L., r.p. *An.* 1952
5522 Tolman Ter.,
Madison, Wis.
McConnell, F., r.p. *R.* 1956
Montreal Gen. Hosp.,
Montreal, Canada
McCort, J. J., r.p. *R.* 1944
Santa Clara County Hosp.,
San Jose, Calif.
McCoy, W. T., r.p. *R.* 1960
M. G. H.
McCully, K. S., *M.* 1960
National Inst. of Health,
Bethesda, Md.
McCune, W. S., *W.S.* 1937
1150 Connecticut Ave., N.W.,
Washington, D. C.
McDaniel, J. R., *E.S.* 1940; a.r.s. 1946
902 Edmond, St. Joseph, Mo.
MacDermot, P. N., *C.M.* 1930
580 Grosvenor Ave.,
Westmount, Montreal, Canada
McDermott, L. J., *Or.* 1938
151 Vaughan, Portland, Maine
McDERMOTT, W. V., Jr., assoc. v.s. (*W.S.* 1943); r.s. 1951
M. G. H.
MacDONALD, A. S., Jr., clin. assoc. *C.*
24 Abbott, Beverly
McDONALD, F. C., clin. assoc. *C.*
39 Main, Concord
Macdonald, H. E., Jr., *N.S.* 1931; a.r.s. *N.S.* 1933
Majuro, Marshall Islands
MacDonald, R. F., *E.S.* 1922
McGuire Vet. Adm. Hosp.,
Richmond, Va.
McDONALD, W., a.r.p. *An.*
M. G. H.
McElroy, W. D., *Or.* 1932
3716 Market, Youngstown, Ohio
McFarland, R. B., a.r.p. *Path.* 1959
Denver Gen. Hosp., Denver, Colo.
McGahey, C. E., r.s. 1946
795 Elm, Manchester, N. H.
McGINN, S., clin. assoc. *M.*
270 Commonwealth Ave.

McGinty, J. B., a.r.s. *Or.* 1960
Children's Med. Center
McGOVERN, J. J. M., a. pediat.
M. G. H.
McGovney, R. B., *Or.* 1930
Box 30, Waiakoa, Maui, Hawaii
McGRATH, E. F., a. pediat.
71 Adams, Milton
McGugan, A. D., r.p. *D.* 1961
St. John's Hosp. for Dis. of the Skin,
Leicester Sq., London, England
McGUIRE, M. T., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1962
McLean Hosp., Belmont
Mach, B. F., *M.* 1959; a.r.p. 1960
Rockefeller Inst. Med. Res.,
66th and York Ave.,
New York, N. Y
McHUGH, CATHERINE, exec. a. (*R.N.*)
M. G. H
McHugh, P. R., r.p. *N.* 1960
address unknown
McIlroy, W. J., a.r.p. *Path.* 1960
National Hosp., Queen Sq.,
London, England
McIntyre, Patricia A., *M.* 1953
Confederate Memorial Med. Center,
Shreveport, La.
McIver, M. A., h.s. *E.S.* 1922
12 Main, Cooperstown, N. Y.
Mack, J. E., *M.* 1956
430 W. 116th, New York, N. Y.
McKay, W. W., *C.M.* 1921
R.R. 1, Aylmer, Quebec, Canada
McKEE, D. M., a.r.s. (*S.* 1957)
M. G. H.
McKeever, F. M., *Or.* 1930
2010 Wilshire Blvd.,
Los Angeles, Calif.
McKEIGUE, J. E., assoc. s. *Otolar.*
94 Pleasant, Arlington;
274 Commonwealth Ave.
McKenna, J. B., r.p. *Psychiat.* (*McL.*) 1932
Hitchcock Clinic, Hanover, N. H.
McKenzie, W. L., r.p. *C.M.* 1924
15 Dix, Winchester
McKHANN, C. F., III, a.r.s. (*S.* 1956)
M. G. H.
*Mackie, R. W., sr.r.s. *N.S.* 1954
U.S. Naval Hosp., Bethesda, Md.
MacKINNON, CHRISTINE, exec. a. *B.M.* (*S.N.* 1928)
M. G. H.
MacKinnon, R., r.p. *Psychiat.* (*McL.*) 1930
Londonderry, Nova Scotia, Canada

*Not in States and Cities section of this Directory

McKITTRICK, J. B., a.s. (*An.* 1938 and *W.S.* 1939); r.s. *W.S.* 1942
1180 Beacon, Brookline
McKITTRICK, L. S., *Bd. of Cons.* (*W.S.* 1919)
1180 Beacon, Brookline
MacLaren, W. R., *C.M.* 1939; r.p. *C.M.* 1942
136 N. Madison Ave., Pasadena, Calif.
McLAUGHLIN, C. H., a.s. *Oph.*
834 Broadway, Everett
McLaughlin, W. B., *Or.* 1931
6077 Jenkins Arcade, Pittsburgh, Pa.
McLEAN, J. D., a. podiatrist *Or.*
38 Church, Winchester
MacLEOD, G. K., a.r.p.
M. G. H.
McMAHON, A. W., clin. assoc. *Psychiat.*
270 Commonwealth Ave.
MacMahon, C. E., *E.S.* 1938
900 Boylston Ave., Seattle, Wash.
McMEEL, J. W., a. *Oph.* 99 W. Cedar
MACMILLAN, A. S., Jr., dir. *R.* (*E.* & *E.*); r.p. *R.* 1953
319 Longwood Ave.
MacMillan, Hugh Alexander, a.r.p. *Path.* 1950
205 Kent, Charlottetown,
Prince Edward Island, Canada
MacMillan, Hugh Allen, Jr., a.r.s. 1947
3535 Cherry Creek North Dr.,
Denver, Colo.
McMillan, R. M., a.r.p. 1941
Southern Pines, N. C.
MACNAMARA, T. E., a. an.
M. G. H.
McNEELY, W. F., a. *M.*
226 Marlborough
McNEILL, J. M., assoc. r.
M. G. H.
McNie, A. B., a.r.p. *Path.* 1957
353 30th, Oakland, Calif.
Macomber, D., *S.S.* 1911
Tide River Farm, Brunswick, Maine
McPeak, C. N., r.p. *R.* 1929
Henry Heywood Memorial Hosp.,
Gardner
McPEEK, B., a.r.p. *An.*
M. G. H.
McPHEDRAN, A. M., r.p. *N.*
M. G. H.
McPherson, S. R., a.r.s. *Or.* 1949
85 Jefferson, Hartford, Conn.
Madden, E. J., a.r.s. *Or.* 1960
Children's Med. Center
MADDEN, J. W., a.r.s. (*S.* 1959)
M. G. H.
Madey, S. L., *C.M.* 1944
1401 N. Foster, Baton Rouge, La.

MAGRAW, C. E., a. attend. psychiat. (*McL.*) 1419 Beacon, Brookline
Mahoney, S. A., Jr., *E.S.* 1926
727 Dwight, Holyoke
Maier, J., *E.M.* 1940
Rockefeller Foundation, New York, N. Y.
Maisel, B. W., r.p. *Path.* 1943
1 E. 69th, New York, N. Y.
MAJERUS, P. W., a.r.p. (*M.* 1962) M. G. H.
Makel, H. P., c.r.p. *An.* 1949
2217 Webster, San Francisco, Calif.
Malcolm, J. A., *S.* 1953; a.r.s. 1958
Vet. Adm. Hosp., 408 1st Ave., New York, N. Y.
MALOOF, F., a.p.; a.r.p. 1952 M. G. H.
Maloy, J. K., *E.S.* 1947
120 W. Ravine Rd., Kingsport, Tenn.
MALT, R. A., r.s. (*S.* 1956) M. G. H.
Mancall, E. L., a.r.p. *Path.* 1957
Jefferson Med. Coll. of Philadelphia, Philadelphia, Pa.
MANCALL, I. T., a. *Oph.*
750 Main, Hartford, Conn.
MANGIARACINE, ANITA B., b. *Oph.* and *Otolar.* Mass. E. & E. Inf.
Mangoni, A., a.r.p. *Psychiat.* 1960
Medical Research Council, Woodmansterne Rd., Carshalton, Surrey, England
Manly, I. V., *E.S.* 1947; a.r.s. 1952
2021 Clark Ave., Raleigh, N. C.
MANN, W., a. psychiat. M. G. H.
Mannick, J. A., *S.* 1954; a.r.s. 1960
Med. Coll. of Virginia, Richmond, Va.
Mannik, M., *M.* 1960; a.r.p. 1961
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.
Manson, Elizabeth Sprague, *C.M.* 1953
1030 Sir Francis Drake Blvd., Kentfield, Calif.
MANSON, J. G., a.r.s. *Or.* M. G. H.
MANZI, RITA A., a.r.p. *An.* M. G. H.
Marble, A., r.p. *W.M.* 1930
15 Joslin Rd.
MARBLE, H. C., hon. s. (*W.S.* 1912)
270 Commonwealth Ave.
MARCUS, S. M., *Bd. of Cons.*
270 Commonwealth Ave.
MARCY, S. M., a.r.p. *C.* (*C.* 1962) M. G. H.
MARFEY, S. P., biochem. *Otolar.* Mass. E. & E. Inf.
MARK, V. H., a. *N.S.*; sr. r.s. *N.S.* 1954 M. G. H.
MARKLAND, A. C., sr.a.r.s. *U.* M. G. H.
MARKS, G. A., clin. assoc. *S.* (*E.S.* 1931); r.s. *E.S.* 1933
15 Dix, Winchester
Maroney, J. W., r.p. *C.M.* 1932
1207 Delaware Ave., Wilmington, Del.
Marshall, C. S., r.p. *N.* 1927
Dept. of Public Health, Halifax, Nova Scotia, Canada
Marshall, Clare K., r.p. *N.* 1954
433 Main, Burlington, Vt.
Martin, C. L., h.p. *R.* 1920
3501 Gaston Ave., Dallas, Tex.
Martin, D. B., *M.* 1955; c.r.p. 1959
National Inst. of Health, Bethesda, Md.
Martin, J. A., *W.S.* 1946; r.p. *R.* 1951
3501 Gaston Ave., Dallas, Tex.
MARTIN, L. E., comptroller M. G. H.
MARTIN, S. F., a.s. *Oph.*
165 Bay State Rd.
Maruyama, Y., r.p. *R.* 1961
Stanford Univ. Sch. of Med., Palo Alto, Calif.
Mason, E. D., *M.* 1946
246 26th, Santa Monica, Calif.
Mason, W., *E.M.* 1920; h.p. *E.M.* 1921
151 Rock, Fall River
Massie, W. K., *Path.* 1938
304 S. Limestone, Lexington, Ky.
Matchett, F. L., *Or.* 1934
1830 Williams, Denver, Colo.
Mathews, S. S., *Or.* 1928
8820 Wilshire Blvd., Beverly Hills, Calif.
Mathieu, T. J., r.s. *U.* 1954
1120 W. Spruce, Yakima, Wash.
Mathis, W. H., Jr., r.p. *R.* 1948
Kennestone Hosp., Marietta, Ga.
MATTOS, E. R., a.dir. M. G. H.
MATTOSO, L. F. de Q., a.r.p. *R.* M. G. H.
MATZ, M. H., a. *D.*
51 Brattle, Cambridge
Maughs, S. B., a.r.p. *Psychiat.* 1938
Psychiatric Unit, Forty-five Hundred West Pine Clinics, 4500 W. Pine Blvd., St. Louis, Mo.
May, H. L., a.r.s. 1959
Hôpital Albert Schweitzer, St. Marc, Haiti

Mayer, R. F., a.r.p. *N.* 1957
Boston City Hosp.
Mayman, C. I., r.p. *N.* 1961
Washington Univ. Sch. of Med., St. Louis, Mo.
MAYNARD, E. P., III, a. *M.* M. G. H.
Maynard, G. B., Jr., *W.S.* 1943
60 8th, New Bedford
MAYO, CLARA W., a. psychol. M. G. H.
Mayo, F. B., *E.M.* 1943; a.r.p. 1944
144 Beach Bluff Ave., Swampscott
MAYO, R. A., a. *Or.*; sr. r.s. *Or.* 1956
412 Beacon
Mazuzan, J. E., Jr., c.r.p. *An.* 1959
Mary Fletcher Hosp., Burlington, Vt.
Mead, S., *E.M.* 1940 and *Path.* 1941; a.r.p. *N.* 1942
California Rehabilitation Center, Vallejo, Calif.
Meader, C. N., *E.M.* 1912
755 Josephine, Denver, Colo.
Mealey, J., Jr., r.s. *N.S.* 1960
Indiana Univ. Med. Center, Indianapolis, Ind.
MEANS, J. H., hon. p. (*E.M.* 1913)
60 Mount Vernon
Means, P. H., *E.M.* 1924
1 Waterhouse, Cambridge
Meath, J. A., r.p. *N.* 1947
1114 St. Paul, Baltimore, Md.
Meigs, J. Wister, a.r.p. 1943
310 Cedar, New Haven, Conn.
MEIGS, JOE V., *Bd. of Cons.* (*E.S.* 1921)
226 Marlborough
Meister, L., *C.M.* 1937
Vet. Adm. Hosp., Long Beach, Calif.
MEKKELSEN, CHRISTINE, exec. a. (*R.N.*) M. G. H.
MELBIN, M., a. soc. sc. (*McL.*)
McLean Hosp., Belmont
Mellinger, G. W., *M.* 1947
490 Post, San Francisco, Calif.
Melvin, W. J. S., a.r.s. *Or.* 1951
Kingston Gen. Hosp., Kingston, Ontario, Canada
Mendelsohn, M. L., *M.* 1949
Hosp. of Univ. of Pennsylvania, Philadelphia, Pa.
MENDELSON, J. H., a. psychiat. M. G. H.
Merrill, B. R., a.r.p. *Psychiat.* 1941
22 Peninsula Rd., Belvedere, Calif.
MERRILL, O. E., e. *R.* M. G. H.
Metcalf, K. M., r.p. *C.M.* 1925
115 E. 77th, New York, N. Y.
Meyer, H. I., r.s. *W.S.* 1925
Presbyterian-St. Luke's Hosp., Chicago, Ill.
Michel, A. J. D., a.r.p. *An.* 1950
70 rue Parmentier, Lyon, France
MICHELSEN, J. J., clin. assoc. *N.S.*; a.r.s. *N.S.* 1938 M. G. H.
Michie, A. J., *Path.* 1943; r.s. *U.* 1945
Univ. of Pennsylvania Sch. of Med., Philadelphia, Pa.
Michie, Catherine R., *Path.* 1943; r.p. *Path.* 1944 Ivyland, Pa.
Middlebrook, G., *M.* 1945
National Jewish Hosp., Denver, Colo.
Milam, D. F., Jr., *S.* 1949; a.r.s. 1952
27 103rd Ave., N.E., Bellevue, Wash.
Millard, D. G., r.p. *R.* 1960
Monadnock Community Hosp., Peterborough, N. H.
MILLER, ABBOTT R., a.r.p. *R.* M. G. H.
Miller, Alfred E., *S.* 1957; a.r.s. 1958
University Health Service, Harvard College, Cambridge
MILLER, C. C., clin. assoc. *S.* (*W.S.* 1938)
304 Humphrey, Swampscott
MILLER, D., s. *Otolar.*
60 Charlesgate West
Miller, E. C., *E.M.* 1926
27 Elm, Worcester
Miller, James G., *E.M.* 1943; r.p. *Psychiat.* 1944
Mental Health Res. Inst., Univ. of Michigan, Ann Arbor, Mich.
Miller, Jule P., Jr., a.r.p. *Psychiat.* 1955 222 South, Pittsfield
Miller, M. L., *E.M.* 1932
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.
Miller, R. Bretney, a.r.p. 1938
1834 Eye, N. W., Washington, D. C.
Miller, Ralph B., r.p. *R.* 1932
Box 6043, Alamo Heights Station, San Antonio, Tex.
Miller, W. L., a.r.p. *Path.* 1961
Louisville Gen. Hosp., Louisville, Ky.
Millet, J. B., *W.S.* 1943; a.r.s. 1948
1624 Genesee, Utica, N. Y.
MILLS, J. A., a. *M.*; r.p. 1958 M. G. H.

Mills, L., Jr., *M.* 1944
1136 W. 6th, Los Angeles, Calif.
MINER, L. M. S., hon. s.
363 Marlborough
MINER, R. L., a. oral s.
363 Marlborough
Ming, Si Chun, r.p. *Path.* 1956
Beth Israel Hosp.
Mintz, E. R., *Path.* 1930; r.s. *U.* 1932
8 S. State, Concord, N. H.
MIRKIN, G. B., a.r.p. *C.* M. G. H.
Mitchel, D. H., *M.* 1943; a.r.p. 1947
915 S. Colorado Blvd., Denver, Colo.
MITCHELL, D. C., a.r.s. *Or.* M. G. H.
Mittel, N. S., r.p. *Psychiat.* (*McL.*) 1959 Boston Univ.-Mass. Memorial Hosp. Med. Center
Mixter, C. G., *W.S.* 1907
319 Longwood Ave.
MIXTER, C. G., Jr., a.s. (*W.S.* 1940); r.s. 1947 319 Longwood Ave.
Mixter, G., Jr., *W.S.* 1943
Flower and Fifth Ave. Hosp., New York, N. Y.
MNAYMNEH, W. A., a.r.s. *Or.* M. G. H.
MOBILIA, EVELYN, exec. a. (*R.N.*) M. G. H.
Moffitt, H. C., Jr., *E.M.* 1942
909 Hyde, San Francisco, Calif.
MOKRASCH, L. C., a. biochem. (*McL.*) McLean Hosp., Belmont
MOLLOY, MAUREEN K., a.r.s. *Or.* M. G. H.
MOLONEY, D. R., r.p. *D.* M. G. H.
MONACO, A. P., r.s. (*S.* 1957) M. G. H.
MONAHAN, J. J., a.r.s. *Or.* M. G. H.
MONCURE, A. C., a.r.s. (*S.* 1961) M. G. H.
Monroe, J. T., Jr., *M.* 1956
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.
Montgomery, H., *E.M.* 1932
Hosp. of Univ. of Pennsylvania, Philadelphia, Pa.
Montgomery, O. F., *E.S.* 1916
450 Sutter, San Francisco, Calif.
MONTGOMERY, W. W., assoc.s. *Otolar.* Mass. E. & E. Inf.
Moore, B. E., r.p. *Psychiat.* 1942
152 E. 73rd, New York, N. Y.
MOORE, F. D., *Bd. of Cons.* (*W.S.* 1940); r.s. 1943
Peter Bent Brigham Hosp.
Moore, R. F., *M.* 1954
425 North, Randolph
Moore, S. Halcuit, Jr., *C.M.* 1937
4105 Live Oak, Dallas, Tex.
Moore, Sherwood, h.p. *R.* 1917
Barnes Hosp., St. Louis, Mo.
Moorman, H. D., *W.S.* 1943; a.r.s. 1949 635 E. Union, Pasadena, Calif.
Mora, F., *M.* 1951; a.r.s. 1953; r.s. *N.S.* 1957 717 Encino Pl., N. E., Albuquerque, N. M.
Moran, J. E., *N.* 1928
219 Federal, Greenfield
Moran, T. W., Jr., a.r.p. *Path.* 1950
Mellon National Bank Bldg., Latrobe, Pa.
Moreton, J. R., *W.S.* 1944; j.r.s. 1945
Peter Bent Brigham Hosp.
Morgan, C. L., a.r.p. *C.M.* 1960
Children's Med. Center
Morgan, William L., Jr., *M.* 1953; r.p. 1957 Henry Ford Hosp., Detroit, Mich.
MORGAN, WINFIELD S., assoc. path.; r.p. *Path.* 1951 M. G. H.
Morris, H. D., *Or.* 1937
3503 Prytania, New Orleans, La.
Morris, J. McL., *E.S.* 1942; a.r.s. 1947 Yale Univ. Sch. of Med., New Haven, Conn.
MORRIS, R. H., a.r.p. *An.* M. G. H.
Morrison, G. M., *Or.* 1941
77 San Mateo Dr., San Mateo, Calif.
Morrison, H. R., *E.M.* 1936; r.p. *R.* 1939 370 Marlborough
Morrison, R. W., *E.S.* 1943
65 Sunset Parkway, Asheville, N. C.
MORRISSEY, A. M., a.s. *Oph.*
24 Rural Ave., Medford
Morrissey, E. James, *Or.* 1935; r.s. *Or.* 1936 1121 Penn Ave., Wyomissing, Reading, Pa.
MORRISSEY, EUGENE J., a.r.s. *Or.* M. G. H.
Morse, G. W., *E.S.* 1910; h.s. *E.S.* 1912 Brooks Hosp., Brookline
Morton, J. J., h.s. *E.S.* 1916
Strong Memorial Hosp., Rochester, N. Y.
MOSCHELLA, S. L., a. *D.*
887 Commonwealth Ave., Newton Centre
MOSER, H. W., a.n.; r.p. *N.* 1959 M. G. H.
MOSHER, H. A., a.s. *Oph.*
266 Beacon
Moss, A. J., *M.* 1958; a.r.p. 1961
115 Sussex Rd., Rochester, N. Y.

MOSS, G. S., a.r.s. (*S.* 1961)
M. G. H.
Mote, J. R., *W.M.* 1937
11 E. 68th, New York, N. Y.
Moyer, D. LaR., a.r.p. *Path.* 1955
Univ. of California Sch. of Med.
at Los Angeles, Los Angeles, Calif.
Mudd, S. Harvey, *M.* 1954
National Inst. of Health,
Bethesda, Md.
Mudd, Seeley G., *W.M.* 1926
523 W. 6th, Los Angeles, Calif.
Mueller, Barbara C., r.p. *Psychiat.* (*McL.*) 1959 Beth Israel Hosp.
MUELLER, E. H. J., a. psychiat. (*McL.*); r.p. *Psychiat.* 1958; r.p. *Psychiat.* (*McL.*) 1960
707 Commonwealth Ave.
MUELLER, G. C. E., a.r.s. (*S.* 1958)
M. G. H.
MUELLER, H. PETER, clin. assoc. *R.* 39 Tyler Rd., Belmont
Mueller, Harry L., *C.M.* 1935
Children's Med. Center
MUELLER, W., dir. *Otolar. Path.*
Mass. E. & E. Inf.
Muirhead, D. M., Jr., *C.M.* 1960; a.r.p. *C.* 1961 Boston City Hosp.
Mulford, E. H., II, a.r.s. *N.S.* 1947
748 Post Rd., Darien, Conn.
Müller, A. F., a.r.p. 1953
Hôpital Cantonal,
Geneva, Switzerland
MUNDTH, E. D., a.r.s. (*S.* 1960)
M. G. H.
Munro, Jeannette, *C.M.* 1929
2 Queenston Pl., Princeton, N. J.
Munro, N. D., *E.S.* 1942; r.s. 1944
740 W. Michigan Ave.,
Jackson, Mich.
Murphy, G. B., Jr., *S.* 1952; a.r.s. 1957
Gundersen Clinic, La Crosse, Wis.
MURPHY, H. J., a. dir. M. G. H.
MURPHY, J. D., a.r.p. *An.* M. G. H.
MURPHY, W. F., attend. psychiat. (*McL.*) 11 Marlborough
Murray, D. B., a.r.p. *Path.* 1956
military service
MURRAY, J. E., clin. assoc. *S.*
Peter Bent Brigham Hosp.
Musgrave, Rhoda U., r.p. *Psychiat.* (*McL.*) 1937 address unknown
Mushatt, C., r.p. *Psychiat.* 1946
270 Commonwealth Ave.
MYERS, G. S., assoc. p. (*W.M.* 1942); c.r.p. 1943 M. G. H.
NADAS, A. S., assoc. pediat.
Children's Med. Center
NALEBUFF, E. A., a. *Or.*
18 Moore, Belmont
NARDI, G. L., assoc. v.s. (*E.S.* 1945); r.s. 1951 M. G. H.
Nathan, L., *Or.* 1930
Vet. Adm., Outpatient Clinic,
17 Court
NEBESAR, R. A., a.r.p. *R.* M. G. H.
Nellhaus, G., *C.M.* 1957; c.r.p. *C.M.* 1959
Columbia-Presbyterian Med. Center,
New York, N. Y.
Nelson, C., *E.S.* 1939 490 Post,
San Francisco, Calif.
Nelson, R. M., a.r.s. 1954
Salt Lake Clinic,
Salt Lake City, Utah
NEMIAH, J. C., psychiat.; a.r.p. *Psychiat.* 1949 M. G. H.
Neptune, E. M., *E.S.* 1928
726 W. Onondaga, Syracuse, N. Y.
NESBURN, BRIGID P., a.r.p. *C.* (*C.* 1961) M. G. H.
Nesche, G. E., r.p. *W.M.* 1929
2938 McClure, Oakland, Calif.
NEUHAUSER, E. B. D., cons. *R.*
Children's Med. Center
NEUMANN, E. T., admin. M. G. H.
Neville, C. W., Jr., r.p. *Psychiat.* (*McL.*) 1959 military service
NEW, P. F. J., assoc. r. M. G. H.
Newell, James W., *W.S.* 1943; j.r.s. 1944 Medical Plaza,
Palo Alto, Calif.
NEWELL, JOHN L., clin. assoc. *Obst.* (*E.S.* 1932) 1101 Beacon, Brookline
Newhall, H. F., *E.S.* 1906 Lynnfield
Newman, E. V., *C.M.* 1941
Vanderbilt Univ. Sch. of Med.,
Nashville, Tenn.
Newman, H. A., a.r.p. *C.M.* 1960
112 Pomona Ave., Newark, N. J.
Newstedt, J. R., r.s. 1950
108 William Howard Taft Rd.,
Cincinnati, Ohio
Nicholson, J. T., r.s. *Or* 1933
419 S. 19th, Philadelphia, Pa.
Nicosia, A. P., a.r.p. *C.M.* 1949
1554 Northern Blvd., Manhasset,
Long Island, N. Y.
Nielsen, T. W., *S.* 1949; a.r.s. 1953
60 S. 4th, East, Salt Lake City, Utah
Nilges, R. G., r.s. *N.S.* 1951
700 N. Michigan Ave., Chicago, Ill.
Noble, C. A., Jr., *E.M.* 1931
384 Post, San Francisco, Calif.

Nobles, E. R., Jr., *S.* 1955; a.r.s. 1961
Sanders Clinic, Baptist Med. Bldg., Memphis, Tenn.
Norbury, F. B., *M.* 1949
1631 Mound Ave., Jacksonville, Ill.
Norcross, J. W., *E.M.* 1937
Lahey Clinic
Normann, N., a.r.p. *An.* 1951
Eastern Pennsylvania Psychiatric Inst., Philadelphia, Pa.
NORTON, P. L., v.s. *Or.* (*Or.* 1933); r.s. *Or.* 1934
Concord Med. Center, Concord
NOSS, G. M., clin. assoc. *Dn. M.*
31 Bay State Rd.
NOWAK, H., biochem. *Otolar.*
Mass. E. & E. Inf.
NOWAK, MARGARITA, biochem. *Otolar.* Mass. E. & E. Inf.
NYILAS, E., a. physicist *M.*
M. G. H.
OAKLEY, J. C., a.dn.s. (*Dn.* 1959)
507 Main, Worcester
O'Brien, F. W., Jr., a.r.p. *R.* 1951
Cleveland Clinic, 2020 E. 93rd, Cleveland, Ohio
O'BRIEN, RICHARD G., clin. assoc. *R.* 697 Cambridge, Brighton
O'Brien, Robert M., *Or.* 1941
950 Francis Pl., St. Louis, Mo.
O'Brien, W. M., *M.* 1957; a.r.p. 1958
National Inst. of Health, Bethesda, Md.
O'Connor, D. S., *Or.* 1925
237 Edwards, New Haven, Conn.
O'Connor, H., a.r.s. *Or.* 1953
591 Morton, Dorchester
Odland, G. F., *M.* 1947; r.p. *D.* 1954
Medical and Dental Bldg., Seattle, Wash.
OFFENBACH, BERTHA, a. *Oph.*
51 Homer, Newton Centre
Ogden, R. T., *C.M.* 1925
85 Jefferson, Hartford, Conn.
OJEMANN, R. G., a. *N.S.;* r.s. *N.S.* 1961 M. G. H.
OKAMURA, I. D., a.s. *Oph.*
Mass. E. & E. Inf.
O'KEEFE, E. S., hon. p.
31 Broad, Lynn
O'Keeffe, A. F., a.r.s. 1951
648 Canton Ave., Milton
Okun, M. R., a.r.p. *D.* 1960
1683 Beacon, Brookline
Olin, H. S., a.r.p. *Psychiat.* 1959; r.p. *Psychiat.* (*McL.*) 1960 M. G. H.
OLIN, M. J., dn. s.
29 Commonwealth Ave.
OLIVE, G. M., Jr., a. *Oph.*
94 Pleasant, Arlington; 270 Commonwealth Ave.
O'Malley, A. F., a.r.s. *U.* 1957
496 South, Hyannis
Omer, J. A., *Or.* 1912
2648 E. 7th, Tucson, Ariz.
Organick, A. B., *M.* 1952; a.r.p. 1953
Navajo Med. Center Sanitarium, Fort Defiance, Ariz.
Ormandy, L., *Or.* 1943
1532 16th, N.W., Washington, D.C.
O'ROURKE, H. J., a. podiatrist *Or.*
111 Main, Peabody
Orski, Barbara M., *C.M.* 1955; a.r.p. *C.M.* 1956
Kaiser Foundation Hosp., Oakland, Calif.
OSBORN, JUNE E., j.a.r.p. *C.*
M. G. H.
OSBORNE, R. K., r.p. (*M.* 1957)
M. G. H.
Osgood, Herman A., h.p. *R.* 1919
Josiah B. Thomas Hosp., Peabody
Osgood, Howard, *E.M.* 1917
187 Linwood Ave., Buffalo, N. Y.
O'SHEA, J. A., clin. assoc. *C.;* a.r.p. *C.M.* 1950 11 William, Andover
Osius, E. A., *W.M.* 1923
901 David Whitney Bldg., Detroit, Mich.
O'Sullivan, Renée B., a.r.p. *C.M.* 1957
New York Hosp.-Cornell Med. Center, New York, N. Y.
Ottenheimer, E. J., *E.S.* 1924
3707 Stanford Dr., Phoenix, Ariz.
OTTINGER, L. W., a.r.s. (*S.* 1961)
M. G. H.
OTTO, W. J., Jr., a.r.p. *R.* M. G. H.
Owen, W. R., *M.* 1950; r.p. 1952
6410 Fannin, Houston, Tex.
Owyang, Pauline, *C.M.* 1943
Children's Cancer Research Foundation, 35 Binney
Packard, G. B., *E.S.* 1916; h.s. *E.S.* 1917 227 16th, Denver, Colo.
Packert, R. C., r.p. *R.* 1958 M. G. H.
PAGE, L. B., a.p. (*M.* 1950); r.p. 1956 M. G. H.
PALMER, R. S., *Bd. of Cons.* (*W.M.* 1927) 330 Dartmouth
Papadopoulos, D. A., r.s. *U.* 1956
4 Dragoumi, Thessalonica, Greece

Papazian, C. E., a.r.p. *C.M.* 1960
Permanente Med. Group, Fontana, Calif.

Parker, G. D., *Dn.* 1939
4919 E. 38th Ave., Denver, Colo.

Parker, Jack S., *W.S.* 1946
3 Seaward Rd., Wellesley Hills

PARKER, JOHN C., a.r.p. (*M.* 1962) M. G. H.

Parkhurst, A. E., *W.M.* 1919
1 Monument Sq., Beverly

PARKHURST, E. C., a. u.; r.s. *U.* 1958 M. G. H.

Parnall, E., *Or.* 1932
1 Med. Arts Sq., Albuquerque, N. M.

Parson, W., c.r.p. 1942
Sch. of Med., Univ. of Virginia, Charlottesville, Va.

PARSONS, ANNE, assoc. soc. anthropol. (*McL.*) McLean Hosp., Belmont

PARSONS, L., *Bd. of Cons.* (*W.S.* 1929) 203 Commonwealth Ave.

PATHAK, M. A., res. assoc. *D.* M. G. H.

Patterson, H. E., a.r.p. *C.M.* 1952
210 S. 11th Ave., Yakima, Wash.

Patterson, Robert L., Jr., *Or.* 1935
166 E. 63rd, New York, N. Y.

Patterson, Russel H., *E.S.* 1919; h.s. *U.* 1920
166 E. 63rd, New York, N. Y.

PATTON, A. S., a.r.s. (*S.* 1959) M. G. H.

Paul, J. R., Jr., *C.M.* 1943
Medical College Hosp., 55 Doughty, Charleston, S. C.

Paul, O., *W.M.* 1943
122 S. Michigan Ave., Chicago, Ill.

PAVLO, I. L., a. *Oph.* 330 Dartmouth

Peabody, C. W., *E.S.* 1917 and *Or.* 1920
25 Riverside Dr., Barrington, R. I.

Peabody, H. D., Jr., *M.* 1945
2001 4th Ave., San Diego, Calif.

PEARL, D. C., Jr., a.r.s. (*S.* 1959) M. G. H.

Pearse, R. L., *E.S.* 1934
604 W. Chapel Hill, Durham, N. C.

Pearson, C. M., a.r.p. *Path.* 1948
Univ. of California Med. Center, Los Angeles, Calif.

Pearson, O. H., *W.M.* 1941; a.r.p. 1942
Western Reserve Univ. Sch. of Med., Cleveland, Ohio

PECHET, M. M., a. *M.;* a.r.p. 1952 M. G. H.

Pederson, D. P., c.r.p. *An.* 1957
650 S. Central Ave., Marshfield, Wis.

PEEBLES, R. R., assoc. psychol. M. G. H.

PEEBLES, T. C., assoc. pediat. (*C.M.* 1952); c.r.p. *C.M.* 1955
100 Summer, Weston

Peete, W. P. J., *S.* 1948; r.s. 1953
Duke Univ. Med. Center, Durham, N. C.

Peiffer, Geraldine M., a.r.p. *An.* 1957
5217 Hohman Ave., Hammond, Ind.

PENDERGRASS, H. P., a.r. M. G. H.

PENDLETON, M. E., assoc. pediat. Boston Lying-in Hosp.

Perkins, A., *E.S.* 1925
813 Ogden Canyon, Ogden, Utah

Perkins, J. F., Jr., *W.S.* 1938
Univ. of Chicago, Chicago, Ill.

Perkins, W. A., *E.S.* 1917; h.s. *E.S.* 1919
3001 Benvenue Ave., Berkeley, Calif.

Perley, A. I., r.p. *D.* 1948
2030 11th Ave., South, Birmingham, Ala.

PERLO, V. P., assoc. n. M. G. H.

Perrin, G. M., *C.M.* 1953; a.r.p. *C.M.* 1954 M. G. H.

Perry, J. W., r.p. *Psychiat.* (*McL.*) 1947
2206 Steiner, San Francisco, Calif.

Perry, Jalna A., r.p. *Psychiat.* (*McL.*) 1959
Boston Univ.-Mass. Memorial Hosp. Med. Center

Persons, E. L., *E.M.* 1929; r.p. *E.M.* 1930
Duke Univ. Med. Center, Durham, N. C.

Peters, J. H., *W.M.* 1943
44 E. 23rd, New York, N. Y.

Petersen, J. A., r.p. *R.* 1956
16 Clarke, Lexington

Peterson, E. W., *M.* 1944; a.r.p. 1947
Arneill Clinic, Denver, Colo.

Peterson, Harold O., a.r.p. *R.* 1936
Univ. of Minnesota Hosp., Minneapolis, Minn.

Peterson, Hart deC., a.r.p. *C.* 1961
Univ. of Washington Sch. of Med., Seattle, Wash.

Peterson, Hugo O., *E.M.* 1912
36 Pleasant, Worcester

Petranek, J. R., *M.* 1954; a.r.p. 1955
2 Poplar, Ipswich

PFEFFER, W., Jr., a. pediat.
3 Seaward Rd., Wellesley
Phelps, W. M., *Or.* 1922 and *Thd. S.* 1923 3038 St. Paul, Baltimore, Md.
PHILBIN, D. M., a.r.p. *An.* M. G. H.
Phillips, E. B., II, *C.M.* 1948; a.r.p. *C.M.* 1949
American Child Guidance Foundation, 18 Tremont
Phippen, W. G., *S.S.* 1906
31 Chestnut, Salem
Picard, E. H., a.r.p. *N.* 1957 M. G. H.
PICK, W., clin. assoc. *C.*; r.p. *C.M.* 1947 42 Fox, Fitchburg
Pickard, N. S., *Or.* 1940
411 Nichols Rd., Kansas City, Mo.
PIER, A. S., Jr., assoc.p. (*W.M.* 1941); a.r.p. 1942 266 Beacon
Pier, G., *W.S.* 1943
Box 68, Truckee, Calif.
PIERCE, D. L., a. *Otolar.*
Mass. E. & E. Inf.
Pierce, F. D., r.p. *W.M.* 1931
619 E. Broward Blvd., Fort Lauderdale, Fla.
PIERCE, IRENE R., c. psychol. (*McL.*)
McLean Hosp., Belmont
PIETRA, G. G., a.r.p. *Path.* M. G. H.
Pike, M. M., *Or.* 1929
85 Jefferson, Hartford, Conn.
Pillsbury, P. L., *W.M.* 1942
3512 Clay, San Francisco, Calif.
Pinckney, M. M., *W.M.* 1932
3500 Kensington Ave., Richmond, Va.
PIPPITT, R. B., a.s. *Oph.* (*E.M.* 1938 and *Path.* 1939); a.r.p. *N.* 1941
328 Washington, Wellesley Hills
PITTMAN, HELEN S., *Bd. of Cons.* M. G. H.
Pittman, J. A., Jr., *M.* 1953; a.r.p. 1954
Vet. Adm. Hosp., Birmingham, Ala.
Pitts, J. D., *S.* 1950; a.r.s. 1956
110 Lockwood, Providence, R. I.
Placak, J. C., Jr., *W.S.* 1936
10515 Carnegie Ave., Cleveland, Ohio
PLOTKIN, L. H., clin. assoc. *C.* (*C.M.* 1955); a.r.p. *C.M.* 1956
Williams, at Ridge Rd., Longmeadow
Pohl, J. F., *Or.* 1934
78 S. 9th, Minneapolis, Minn.
POINT, W. W., assoc.p. M. G. H.
Polak, A., a.r.p. *Path.* 1961
Univ. of Washington Sch. of Med., Seattle, Wash.
POLANSKY, S. C., a.dn.s.
60 Washington, Salem
POLLARD, JAMES J., a.r.p. *R.* M. G. H.
Pollard, John T., Jr., r.p. *R.* 1959
81 College Ave., Somerville
POLLEN, A., assoc.s. *Oph.*
636 Beacon
PONTOPPIDAN, H., assoc. an.; c.r.p. *An.* 1958 M. G. H.
POPE, A., n.p. (*McL.*)
McLean Hosp., Belmont
Porter, H., r.p. *N.* 1946
New Eng. Center Hosp.
Porter, P. J., *C.M.* 1957; a.r.p. *C.M.* 1958 Boston City Hosp.
PORVAZNIK, J. T., Jr., a.r.s. (*S.* 1959) M. G. H.
POSKANZER, D. C., a. *N.*; r.p. *N.* 1959 M. G. H.
POSTEL, S., a. *M.* 75 Mount Auburn, Cambridge
POTSAID, M. S., assoc.r.; r. (*McL.*); r.p. *R.* 1957 M. G. H.
POTTER, M. G., a. psychiat.
1419 Beacon, Brookline
Potts, J. T., *M.* 1958; a.r.p. 1959
National Inst. of Health, Bethesda, Md.
POULES, RUTH E., exec. a. *B.M.* (*R.N.*) M. G. H.
POULIN, F. K., a.dn.s. (*Dn.* 1942)
196 Marlborough
Powell, S. M., Jr., a.r.p. *C.M.* 1947
Jefferson Med. Group, 811 S. 20th, Birmingham, Ala.
Prather, G. C., *E.S.* 1925
1180 Beacon, Brookline
Pratt, T. C., *E.S.* 1929
454 Brookline Ave.
PREKUP, J. T., admin. (*McL.*)
McLean Hosp., Belmont
Prensky, A. L., a.r.p. *N.* 1961 M. G. H.
Prescott, R., *M.* 1960; a.r.p. 1961
Vet. Adm. Hosp., W. Roxbury
Price, S. E., Jr., *S.* 1955; a.r.s. 1958; r.s. *U.* 1961
Peoples East End Bldg., Pittsburgh, Pa.
Prindle, K. H., *N.* 1926 and *W.S.* 1928 23 Baldwin Ave., San Mateo, Calif.
PRITCHARD, E. T., a. biochem. (*McL.*) McLean Hosp., Belmont

Probst, J.-H., a.r.p. *C.M* 1957
Rigshospitalet, Copenhagen, Denmark

Prus, A. M., c.r.p. *An.* 1961
Grace Hosp., Detroit, Mich.

PRYLES, C. V., a. pediat.
Boston City Hosp.

Putnam, C. R. L., *S.S.* 1895
35 Park Ave., New York, N. Y.

Putnam, H. M., *E.M.* 1937
1025 High, Dedham

Putnam, J. J., *C.M.* 1920
28 School, Foxboro

Putnam, T. J., *E.S.* 1923
450 N. Bedford Dr., Beverly Hills, Calif.

PUTSCHAR, W. G. J., cons. *Path.*
M. G. H.

Quan, S. H. Q., *Path.* 1947
Memorial Hosp., 444 E. 68th, New York, N. Y.

QUARTON, G. C., psychiat.; r.p. *N.* 1947; r.p. *Psychiat.* 1949; sr.r.p. *Psychiat.* (*McL.*) 1950 M. G. H.

QUINBY, J. T., a.p. (*E.M.* 1941)
M. G. H.

QUINBY, W. C., Jr., a.s.; r.s. 1950
M. G. H.

Quinn, T. J., Jr., r.p. *An.* 1950
2217 Webster, San Francisco, Calif.

RABB, S. R., *Trustee*
393 D, S. Boston

Rabinowitz, M., a.r.p. 1955
Dept. of Med., Univ. of Chicago, Chicago, Ill.

RABKIN, M. T., c.r.p. (*M.* 1956)
M. G. H.

RACKEMANN, F. M., hon. p. (*E.M.* 1914) 266 Beacon

Radcliffe, E. J., *Or.* 1925
67 Butterfield Ter., Amherst

Radebaugh, J. F., Jr., *C.M.* 1954; a.r.p. *C.M.* 1955
26 S. Goodman, Rochester, N. Y.

RAE, D. B., a.dn.s.
59 Park, Attleboro; 129 W. Elm, Brockton

RAE, R. G., dn.s.
129 W. Elm, Brockton

Ragland, S., Jr., *M.* 1951; a.r.p. 1952
U.S. Naval Sch. of Aviation Med., Naval Air Station, Pensacola, Fla.

Ragsdale, L. V., past a. dir.
Union Hosp., Fall River

RAKER, J. W., assoc. v.s. (*E.S.* 1942); r.s. 1949 M. G. H.

Ramcharan, Savitri, *C.M.* 1954
Stanford Univ. Sch. of Med., Palo Alto, Calif.

Randall, Raymond V., *M.* 1946
Mayo Clinic, Rochester, Minn.

*Randall, Russell E., Jr., a.r.p. 1956
1605th U.S. Air Force Hosp., A.P.O. 406, c/o Postmaster, New York, N. Y.

Randolph, J. G., a.r.s. 1958
Children's Med. Center

RAPOPORT, R. N., cons. *Soc. Sc.* (*McL.*) McLean Hosp., Belmont

RAPPAPORT, SELMA, a. psychol.
M. G. H.

Rappleye, W. C., *W.M.* 1919
Josiah Macy, Jr. Foundation, 16 W. 46th, New York, N. Y.

Rasmussen, H., *M.* 1953; a.r.p. 1955
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.

Rasmussen, Jane S., *C.M.* 1954; a.r.p. *C.M.* 1955 50 Rockledge Rd., Hartsdale, N. Y.

Ratcliffe, J. W., *W.S.* 1946
104 St. Matthews Ave., San Mateo, Calif.

Rauh, A. E., *C.M.* 1936 725 S. 2nd, Springfield, Ill.

Ray, L. F., r.p. *D.* 1939
Medical Dental Bldg., Portland, Oreg.

REAGAN, D. J., a. *Otolar.*
507 Main, Worcester

Rebello, D. J. A., a.r.p. *D.* 1954
130 Hill Rd., Bandra, Bombay, India

RECORD, E. E., a.s. *Or.* (*N.S.* 1937 and *Or.* 1941) M. G. H.

Reed, C. R., Jr., *Or.* 1936
2520 Line Ave., Shreveport, La.

REED, G. F., assoc. s. *Otolar.*
330 Stuart

REED, J. M., a.r.s. (*S.* 1961)
M. G. H.

Reeves, J. D., r.p. *R.* 1951
Univ. of Florida Coll. of Med., Gainesville, Fla.

Reeves, R. J., r.p. *R.* 1926
Duke Univ. Med. Center, Durham, N. C.

REGAN, C. D. J., a. *Oph.*
99 W. Cedar

REGGIO, A. W., hon. s. (*W.S.* 1914)
School, Medfield

*Not in States and Cities section of this Directory

Register, J. F., *Or.* 1936
1008 Professional Village, Greensboro, N. C.

REID, D. E., *Bd. of Cons.*
221 Longwood Ave.

Reid, Elizabeth Aub, *M.* 1952
51 Brattle, Cambridge

REIDY, J. A., a.s. *Or.* (*Or.* 1939)
3 Seaward Rd., Wellesley Hills

Reilly, W. A., *C.M.* 1928
Vet. Adm. Hosp., San Francisco, Calif.

REISER, D. E., a. psychiat. M. G. H.

REITH, H. C., clin. assoc. *Dn. M.*
370 Commonwealth Ave.

REMENSNYDER, J. P., Jr., a.r.s. (*S.* 1958) M. G. H.

Revercomb, P. H., a.r.p. 1933
1031 Quarrier, Charleston, W. Va.

REYERSBACH, GERTRUD C., assoc. pediat. (*C.M.* 1943); r.p. *C.M.* 1945 330 Dartmouth

Reynolds, G. S., r.s. *Thd. S.* 1924
100 North, Pittsfield

REYNOLDS, S. L., a.r.p. *C.* M. G. H.

Rhinelander, F. W., *E.S.* 1937 and *Or.* 1938
Cleveland Metropolitan Gen. Hosp., Cleveland, Ohio

RHODES, F. I., dn.s.
1352 Beacon, Brookline

Rhodes, J. S., r.s. *U.* 1935
700 W. Morgan, Raleigh, N. C.

Rice, J. O., r.p. *Psychiat.* (*McL.*) 1959 M. G. H.

Richards, D. N., *E.S.* 1912
166 Tunnel Rd., Berkeley, Calif.

Richards, D. N., Jr., *W.S.* 1943; a.r.s. 1948 3031 Telegraph Ave., Berkeley, Calif.

Richards, R. S., r.p. *R.* 1958
Lankenau Hosp., Philadelphia, Pa.

RICHARDSON, EDWARD P., assoc. n. and n.p. (*M.* 1943); r.p. *Psychiat.* 1947 M. G. H.

RICHARDSON, ELLIOT L., *Trustee*
73 Tremont

RICHARDSON, G. S., a.s. (*W.S.* 1947); r.s. 1954 M. G. H.

RICHARDSON, J. R., s. *Otolar.*
403 Commonwealth Ave.

Richardson, W. R., *W.S.* 1945; a.r.s. 1950
Children's Memorial Hosp., Oklahoma City, Okla.

RICHIE, R. H., Jr., assoc. pediat.; a.r.p. *C.M.* 1957 M. G. H.

Riddell, R. V., *E.S.* 1943 and *Path.* 1947 902 Edmond, St. Joseph, Mo.

RIEDER, S. V., c. *Clin. Chem. Lab.* M. G. H.

Riege, D. H., *C.M.* 1947
576 Farmington Ave., Hartford, Conn.

RIEMER, K., a.s. *Oph.*
403 Commonwealth Ave.

Riley, A., *S.S.* 1909
50 Marshal, Brookline

RING, H. G., a. *Oph.*
111 Maple, Springfield

Risley, E. H., *E.S.* 1908
Box 143, Prides Crossing

Risley, T. S., *E.S.* 1942; r.s. 1947
1 Monument Sq., Beverly

Ritchie, A. C., a.r.p. *Path.* 1954
St. Mary's Hosp., Montreal, Canada

Robbins, J. B., *C.M.* 1960; a.r.p. *C.* 1961
Univ. of Florida Coll. of Med., Gainesville, Fla.

ROBBINS, L. L., c. *R.*; r.p. *R.* 1941 M. G. H.

Roberts, C. D., a.r.p. 1938
151 E. Palisade Ave., Englewood, N. J.

Robertson, C. W., *Path.* 1942 and *E.S.* 1943; r.s. 1947
203 Commonwealth Ave.

ROBERTSON, J. D., assoc. biophys. (*McL.*) McLean Hosp., Belmont

Robertson, O. H., *W.M.* 1914
Dept. of Biol., Stanford Univ., Stanford, Calif.

ROBEY, J. S., a. pediat. (*C.M.* 1953); a.r.p. *C.M.* 1956 51 Brattle, Cambridge

Robillard, Francoise Robert, a.r.p. *Path.* 1956 1676 Van Horne Ave., Montreal, Canada

Robillard, R. L., a.r.p. *N.* 1957
1676 Van Horne Ave., Montreal, Canada

Robins, E., a.r.p. *Psychiat.* 1945
Washington Univ. Sch. of Med., St. Louis, Mo.

Robinson, C. M., *W.S.* 1913
Waites Landing, Falmouth, Maine

Robinson, D. R., *M.* 1958; a.r.s. 1959; a.r.p. 1961
Dept. of Biochem., Brandeis Univ., Waltham

Robinson, J. M., r.p. *R.* 1936
2115 Van Ness Ave., San Francisco, Calif.

ROBINSON, M., a. *Otolar.*
206 Waterman, Providence, R. I.

ROBINSON, P. M., a. psychiat. (*McL.*); r.p. *Psychiat.* (*McL.*) 1960
McLean Hosp., Belmont

ROCK, J., hon. s. (*W.S.* 1919)
77 Glen Rd., Brookline

Rockey, E. W., *E.S.* 1914
330 Med. Arts Bldg.,
Portland, Oreg.

ROCKWOOD, ETHEL M., hon. p.
416 Marlborough

Rodgers, R. S., r.s. *U.* 1947
825 Nicollet Ave.,
Minneapolis, Minn.

RODKEY, G. V., assoc.v.s. (*W.S.* 1943); r.s. *Or.* 1945; a.r.s. 1950
266 Beacon

Rodman, C. A., II, *S.* M. G. H.

Roe, B. B., *W.S.* 1943; r.s. 1950
384 Post, San Francisco, Calif.

Rogers, D. M., *C.M.* 1938
2 Cherry, Wenham

ROGERS, H., *Bd. of Cons.* (*E.S.* 1925)
580 Osgood, N. Andover

Rogers, O. F., *W.M.* 1913; h.p. *E.M.* 1916
140 Ogden, New Haven, Conn.

ROGERS, WILLIAM A., hon.s. (*Or.* 1924) Peacham, Vt.

ROGERS, WILLIAM P., Jr., a.s.; a.s. *Otolar.* Taylor Med. Bldg., Weston

Rolett, E. L., *M.* 1956; r.p. 1960
M. G. H.

RONAT, JUDITH G., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

ROOPENIAN, A., assoc. s. *Otolar.*
475 Commonwealth Ave.

Roots, L. H., *W.S.* 1933
475 Riverside Dr., New York, N. Y.

ROPES, MARIAN W., p.; a.r.p. 1934
M. G. H.

Rosales, Remedios K., r.p. *N.P.* 1952; a.r.p. *Path.* 1954
Univ. of Santo Tomás, Manila, P. I.

Rose, A. S., *E.M.* 1934; r.p. *Psychiat.* (*McL.*) 1934 Univ. of California
Med. Center,
Los Angeles, Calif.

Rose, J. A., *M.* 1957; a.r.p. 1958
National Inst. of Health,
Bethesda, Md.

Rose, P. F., a.r.p. *C.M.* 1959
Southwestern Med. Sch.,
Univ. of Texas, Dallas, Tex.

Rosen, R. B., *C.M.* 1953; a.r.p. *C.M.* 1954
Children's Hosp. of Michigan,
Detroit, Mich.

Rosen, V. J., Jr., a.r.p. *Path.* 1959
M. G. H.

Rosenbaum, M., r.p. *Psychiat.* (*McL.*) 1937; r.p. *Psychiat.* 1939
Albert Einstein Coll. of Med.,
Bronx, N. Y.

Rosenberg, E. William, r.p. *D.* 1959
Jackson Memorial Hosp.,
Miami, Fla.

ROSENBERG, EARLE H., a. oral s. (*Dn.* 1958); r.s. *Dn.* 1960
328 Washington, Wellesley Hills;
29 Commonwealth Ave.

Rosenberg, I. H., *M.* 1960; a.r.p. 1961
National Inst. of Health,
Bethesda, Md.

ROSENBLITH, JUDY F., assoc. psychol. M. G. H.

Rosenkrantz, J. G., *S.* 1954; a.r.s. 1961
6450 Given Rd., Cincinnati, Ohio

Rosenman, L. D., *E.S.* 1943; a.r.s. 1949
2320 Sutter, San Francisco, Calif.

Rosenthal, A. L., a.r.p. *D.* 1956
724 W. State, Trenton, N. J.

ROSENTHAL, M. K., a.r.p. *C.*
M. G. H.

ROSS, R. A., pediat.
51 Brattle, Cambridge

Rosser, C., *W.S.* 1918
1719 Pacific Ave., Dallas, Tex.

Roth, J. L. d'A., *M.* 1945
419 S. 19th, Philadelphia, Pa.

Roth, S. I., *Path.* 1957; a.r.p. *Path.* 1958 military service

Rothberg, H. D., Jr., *M.* 1954; r.p. 1959 Seton Hall Coll. of Med.,
Jersey City, N. J.

Rothfeld, L. J., a.r.p. *An.* 1955
711 Grevillea, Hawthorne, Calif.

ROUNDS, C. E., clin. assoc. *Dn. M.* (*Dn.* 1947)
403 Commonwealth Ave.

Rovit, R. L., r.s. *N.S.* 1958
Jefferson Med. College,
Philadelphia, Pa.

ROWE, C. R., a.s. *Or.* (*Or.* 1939)
M. G. H.

Rowe, J. C., *M.* 1952; r.p. 1957
490 Post, San Francisco, Calif.

Rowell, H. G., *W.S.* 1921
483 Munroe Ave.,
N. Tarrytown, N. Y.

ROWLAND, C. Van A., Jr., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1962 McLean Hosp., Belmont

Rubinstein, J. H., *C.M.* 1954; a.r.p. *C.M.* 1955 Children's Hosp., Cincinnati, Ohio

RUBOY, J. S., a. *Pediat.*; a.r.p. *C.M.* 1960 Concord Med. Center, Concord

RUDY, H. A., a. *U.* 60 Brattle, Cambridge

Ruffin, M. deG., *Path.* 1939; r.p. *Path.* 1940
2015 R, N.W., Washington, D.C.

Rukes, J. M., *M.* 1950; a.r.p. 1952
3905 Sacramento, San Francisco, Calif.

Ruley, H. B., *N.S.* 1939 and *W.S.* 1941; a.r.s. 1942
Med. Arts Bldg., Oak Ridge, Tenn.

RUNGE, P. M., a. *Oph.*
140 Marlborough

Russell, H. N., Jr., *C.M.* 1939
1221 Lincoln, Lincoln Park, Mich.

Russell, P. S., *S.* 1949; r.s. 1956
Columbia-Presbyterian Med. Center, New York, N. Y.

Russfield, Agnes Burt, *Path.* 1950; a.r.p. *Path.* 1951
Bio-Research Inst., Inc., 9 Commercial, Cambridge

Rutherford, Robert N., *W.S.* 1938
707 Broadway, Seattle, Wash.

Rutherford, Rondall W., *C.M.* 1933
21 Herrick Rd., Newton Centre

Rutledge, R. H., *S.* 1950; r.s. 1957
800 5th Ave., Fort Worth, Tex.

RUTSTEIN, D. D., cons. *Prev. M.*
H. M. S.

Rutter, T., *E.S.* 1946; a.r.s. 1949
843 E. Main, Medford, Oreg.

Ryan, J. P., *Dn.* 1953 211 6th, Mechanicville, N. Y.

Ryan, Kenneth J., *M.* 1953; a.r.p. 1954
University Hosp., Cleveland, Ohio

Ryan, Kevin G., *M.* 1960
11 Chiswick Rd., Brighton

Sabin, H. S., r.s. *U.* 1941
4903 Rockwood Parkway, N.W., Washington, D. C.

SACK, L. C., a.r.p. *R.* M. G. H.

SACK, T., a. attend. psychiat. (*McL.*); r.p. *Psychiat.* (*McL.*) 1958
75 Blake Rd., Brookline

SAGEBIEL, R. W., a.r.p. *Path.*
M. G. H.

Sahay, B. M., a.r.p. *Psychiat.* 1959
Beth Israel Hosp.

Sahler, O. DeP., r.p. *R.* 1942
Mary Imogene Bassett Hosp., Cooperstown, N. Y.

Saidi, F., a.r.s. 1960
Nemazee Hosp., Shiraz, Iran

St. AUBIN, P. M. G., assoc. r. (*M.* 1948); r.p. *R.* 1953 M. G. H.

St. GOAR, W. T., a.p. (*M.* 1950); r.p. 1952 262 Beacon

Salamanca, J. J., *An.* 1943
Calle 25A, No. 13A-35, Bogotá, Colombia

SALIB, P. I., a.r.s. *Or.* M. G. H.

SALZMAN, E. W., a. *S.* (*S.* 1954); r.s. 1961 M. G. H.

Samiy, H. E., r.p. 1961
Ebtehaj, Resht, Iran

Sampson, D. A., a.r.p. *R.* 1937
Suburban Sq. Bldg., Ardmore, Pa.

Sampson, J. J., *W.M.* 1923
2211 Post, San Francisco, Calif.

Sams, B. J., Jr., r.p. 1958
304 E. Huntingdon, Savannah, Ga.

Sanborn, F., *N.S.* 1939
Barnstable County Hosp., Pocasset

SANCHEZ, G. C., a.p. (*M.* 1950); a.r.p. 1951 330 Dartmouth

Sanders, M. B., *E.S.* 1920
8 Marmion Way, Rockport

Sanders, R. W., *C.M.* 1959; c.r.p. *C.* 1961 37 Carisbrooke Rd., Wellesley Hills

Sanderson, S. S., a.r.p. *R.* 1933
740 St. Helens Ave., Tacoma, Wash.

Sandifer, M. G., Jr., *M.* 1948; a.r.p. 1949 Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

Sandler, A. I., *M.* 1956; r.p. 1958
M. G. H.

SANTORO, B. T., a.r.s. M. G. H.

Sargent, F. B., *W.S.* 1920
124 Waterman, Providence, R. I.

Sarnoff, S. J., a.r.s. 1947
National Inst. of Health, Bethesda, Md.

SARRIS, S. P., clin. assoc. *S.* (*W.S.* 1939); r.s. 1940
56 Broad, Lynn

Sasahara, A. A., a.r.p. 1957
Vet. Adm. Hosp., W. Roxbury

Saslow, G., r.p. *Psychiat.* 1943
Univ. of Oregon Med. Sch., Portland, Oreg.

Satin, D. G., a.r.p. *Psychiat.* 1960; r.p. *Psychiat.* (*McL.*) 1961 M. G. H.

Saunders, George M., *E.S.* 1928
150 E. 42nd, New York, N. Y.

Saunders, Gordon A., *E.M.* 1937
94 Pleasant, Arlington

Sawyer, C. S., r.p. *D.* 1943
184 Waterman, Providence, R. I.

SCANNELL, J. G., v.s. (*E.S.* 1941); r.s. 1946 M. G. H.

SCATCHARD, G., cons. *Or.*
M.I.T., Cambridge

SCEERY, R. T., assoc. pediat. (*C.M.* 1951); c.r.p. *C.M.* 1953
109 N. Main, Cohasset

Schaaf, R. S., *W.M.* 1943; r.p. 1948
Prudential Ins. Co. of America,
Prudential Plaza, Newark, N. J.

SCHAPIRO, R. H., r.p. (*M.* 1959)
M. G. H.

SCHATZKI, R., cons. v.r.
1180 Beacon, Brookline

Schatzki, S. C., r.p. *R.* 1960
70 Lincoln, Belmont

Schenk, W. G., Jr., *E.S.* 1946
164 Doncaster Rd., Kenmore, N. Y.

SCHEPENS, C. L., assoc. s. *Oph.*
99 W. Cedar

SCHERRER, K., biochem. *Otolar.*
Mass. E. & E. Inf.

Schiebler, G. L., *C.M.* 1955; a.r.p. 1956
Univ. of Florida Coll. of Med.,
Gainesville, Fla.

Schimke, R. T., *M.* 1959; a.r.p. 1960
military service

SCHMID, K., assoc. biochem. *M.*
M. G. H.

Schmidt, R. A., a.r.p. *An.* 1959
201 E. Bradley Rd.,
Milwaukee, Wis.

SCHMITT, F. O., *Trustee*
M. I. T., Cambridge

Schnabel, T. G., Jr., a.r.p. 1947
Philadelphia Gen. Hosp.,
Philadelphia, Pa.

Schnack, A. G. C., *E.M.* 1917
Box 336, Corona, Calif.

Schneider, B., r.p. *R.* 1947
19 Garfield Pl., Cincinnati, Ohio

Schneider, C. C., *E.S.* 1919
231 W. Wisconsin Ave.,
Milwaukee, Wis.

Schneiderman, R. N., r.p. *D.* 1958
New York Univ. Postgraduate Med.
Sch., 550 1st Ave., New York, N. Y.

SCHNITZER, R. D., assoc. psychol. (*McL.*) McLean Hosp., Belmont

Schoen, E. J., a.r.p. *C.M.* 1954
Kaiser Foundation Hosp.,
Oakland, Calif.

Scholl, A. J., *E.S.* 1917
1930 Wilshire Blvd.,
Los Angeles, Calif.

SCHOLL, MARY L., assoc. pediat.
M. G. H.

Schueler, H. K., r.s. *U.* 1957
Harlan Memorial Hosp.,
Harlan, Ky.

SCHUKNECHT, H. F., c. *Otolar.*
Mass. E. & E. Inf.

Schuler, J. D., *C.M.* 1939
Ellijay, Ga.

SCHULZ, M. D., r. M. G. H.

Schuntermann, P. P.-E., j.a.r.p. *C.* 1962
Duke Univ. Med. Center,
Durham, N. C.

SCHUPACK, M. B., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Schuster, S. R., a.r.s. 1952
Children's Med. Center

SCHWAB, R. S., n.; r.p. *N.* 1935
M. G. H.

Schwartz, A. B., *C.M.* 1914
Marquette Univ. Sch. of Med.,
Milwaukee, Wis.

Schwyzer, Marguerite, a.r.p. 1946
2069 Ford Parkway,
St. Paul, Minn.

SCOTT, A. W., a. *Oph.*
7 Bay State Rd.

SCOTT, D. H., a.s. *Oph.*
1 Monument Sq., Beverly

SCOTT, J. F., assoc. biophysicist *M.*
M. G. H.

Scott, M. W., Jr., *W.S.* 1945
205 15th, N.W., Canton, Ohio

Scott, T., r.p. 1939
200 W. 2nd, Lexington, Ky.

SCULLY, R. E., path. M. G. H.

SEALE, E. S., assoc. s. *Oph.*
126 Bay State Rd.

Sears, J. B., *W.S.* 1929
416 Marlborough

Seed, J. C., *M.* 1946
Wellcome Res. Labs.,
Tuckahoe, N. Y.

Seeley, C. B., r.p. *R.* 1960
106 Elm, Belmont

Seigle, S. P., *E.M.* 1942; a.r.p. 1946
85 Jefferson, Hartford, Conn.

SELL, S., a.r.p. *Path.* (*Path.* 1961)
M. G. H.

SELTZER, R. A., a.r.p. *R.* M. G. H.
Selverstone, B., r.s. *N.S.* 1947
New Eng. Center Hosp.
Semrad, E. V., r.p. *Psychiat.* (*McL.*) 1938 Mass. Mental Health Center
Senghas, R. E., sr.r.s. *Or.* 1961
40 Evergreen, Framingham
Senior, B., *C.M.* 1950; a.r.p. *C.M.* 1951 M. G. H.
SENS, R., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont
Shaffer, F. G., *S.* 1952; r.s. *U.* 1955; a.r.s. 1956 1343 Locust Ave.,
Fairmont, W. Va.
Shaffer, H. A., a.r.p. *R.* 1932
Monongalia Gen. Hosp.,
Morgantown, W. Va.
SHANGRAW, K. A., a.dn.s.
96 Bay State Rd.
Shannon, E. W., r.s. *N.S.* 1944
930 Hanna Bldg., Cleveland, Ohio
Shannon, James G., *Or.* 1931
1414 Drummond,
Montreal, Canada
SHANNON, JAMES M., clin. assoc. *S.* (*S.* 1948); a.r.s. 1954
79 Highland Ave., Salem
Shannon, P. W., *Or.* 1934
1927 1st Ave., North,
Birmingham, Ala.
Sharpe, J. D., sr.r.p. *Psychiat.* (*McL.*) 1951 Brattleboro Retreat,
Brattleboro, Vt.
SHATTUCK, G. C., cons. *T. Dis.* (*E.M.* 1906) H. M. S.
Shaw, E. B., r.p. *C.M.* 1924
Univ. of California Sch. of Med.,
San Francisco, Calif.
Shaw, J. L., r.s. *P.H.* 1935 and *U.* 1937 899 Madison Ave.,
Memphis, Tenn.
SHAW, R. S., assoc. v.s. and a. dir. of *Blood Bank* (*W.S.* 1946); r.s. 1952
M. G. H.
Shea, C. J., *E.S.* 1943
1101 Beacon, Brookline
SHEA, F. P., a. *R.* M. G. H.
SHEA, MARJORIE L., cons. for Community Relations M. G. H.
SHEALY, C. N., sr.r.s. *N.S.* M. G. H.
Shedden, W. M., *E.S.* 1920; h.s. *U.* 1921 and *W.S.* 1922
Vet. Adm. Hosp., Lake City, Fla.
SHELDON, C. P., clin. assoc. *Obst.* (*E.S.* 1931) 319 Longwood Ave.
Sheldon, D. B., *S.* 1951; a.r.s. 1955
10911 Weyburn Ave.,
Los Angeles, Calif.
SHELTON, W. R., a. *Psychiat.*
575 Mount Auburn, Cambridge
SHERMAN, GRACE H., exec. a. *B.M.* (*S.N.* 1934) M. G. H.
SHERMAN, L. J., assoc. psychol. (*McL.*) McLean Hosp., Belmont
SHINE, K. I., a.r.p. (*M.* 1962)
M. G. H.
Ship, I. I., *Dn.* 1957
Grad. Sch. of Med., Univ. of Pennsylvania, Philadelphia, Pa.
Shipley, Margaret S., *E.M.* 1943
1109 Sunset Blvd., N. Canton, Ohio
Shipman, T. L., r.s. *P.H.* 1936
Box 1663, Los Alamos, N. M.
Shirley, J. N., *W.S.* 1918
Chestnut, S. Duxbury
SHORE, S., a. *Otolar.*
60 Charlesgate West
Shorey, W. D., *E.S.* 1946; a.r.s. 1950
122 S. Michigan Ave.,
Chicago, Ill.
SHORT, C. L., cons.v.p. (*W.M.* 1930); c.r.p. 1933 264 Beacon
Shugar, J. L., a.r.s. *Or.* 1950
3465 Cote des Neiges Rd.,
Montreal, Canada
SHULMAN, L. B., a.r.s. *Dn. M.* (*Dn. M.* 1961) M. G. H.
Shurtleff, D. B., *C.M.* 1956; a.r.p. *C.M.* 1957
Univ. of Washington Med. Sch.,
Seattle, Wash.
SHUTER, E. R., a.r.p. *N.* M. G. H.
SIDMAN, M., psychol. *N.* M. G. H.
SIDMAN, R. L., a. *N.*; a.r.p. *N.* 1956 H. M. S.
SIFNEOS, P. E., assoc. psychiat.; r.p. *Psychiat.* (*McL.*) 1950; r.p. *Psychiat.* 1952 M. G. H.
Silverman, A. C., *C.M.* 1917
608 E. Genesee, Syracuse, N. Y.
SILVERMAN, S., attend. psychiat. (*McL.*) 1265 Beacon, Brookline
SIMEONE, F. A., *Bd. of Cons.* (*W.S.* 1936); r.s. 1940
Cleveland Metropolitan Gen. Hosp.,
Cleveland, Ohio
Simon, H., r.p. *R.* 1961
New Eng. Med. Center
Simon, R. L., *Or.* 1932
1012 E. Broward Blvd.,
Fort Lauderdale, Fla.
Sinclair, E. B., r.p. *C.M.* 1940
176 Evergreen, Providence, R. I.
SINESI, S. J., clin. assoc. *D.* M. G. H.

Singh, M. M., *M.* 1952; r.p. 1956
Gandhi Memorial and Associated Hosp., Lucknow, U. P., India

SINGLETON, J. W., r.p. (*M.* 1958) M. G. H.

Siperstein, M. D., a.r.p. 1955
Univ. of Texas Med. Sch., Dallas, Tex.

SISCOE, D. L., hon. p. (*E.M.* 1921)
1101 Beacon, Brookline

SISSON, J. H., a. *M.*
203 Commonwealth Ave.

SISSON, W. R., hon. p. (*C.M.* 1912)
203 Commonwealth Ave.

Skinner, A. L., Jr., *C.M.* 1953
Children's Orthopedic Hosp., Seattle, Wash.

SKINNER, D. B., a.r.s. (*S.* 1960) M. G. H.

Skinner, J. C., r.p. *Psychiat.* 1948
Boston Univ.-Mass. Memorial Hosp. Med. Center

SLATER, E. M., a. *An.;* a.r.p. *An.* 1960 M. G. H.

SLEDGE, C. B., a.r.s. *Or.* M. G. H.

SLEEPER, E. L., clin. assoc. *Dn. M.*
29 Lincoln, Framingham

SLEEPER, RUTH, dir. *S.N. and Nurs. Serv.* (*S.N.* 1922) M. G. H.

SLEMONS, MARION L., a. pediat.
400 Commercial, Braintree

SLOANE, A. E., assoc. s. *Oph.*
416 Marlborough

Sloane, R. B., r.p. *Psychiat.* 1953
Dept. of Psychiat., Queen's Univ., Kingston, Ontario, Canada

SLOWICK, MARY A., exec. a. *B.M.* (*R.N.*) M. G. H.

SMEDLEY, LOIS M., a. *Pediat.*
254 French, Fall River

Smillie, J. W., *E.S.* 1944; j.r.s. 1945
326 N. Ingalls, Ann Arbor, Mich.

SMITH, CLEMENT A., cons. *C.*
221 Longwood Ave.

Smith, Curtis E., *W.M.* 1919 and *E.S.* 1921
490 Post, San Francisco, Calif.

Smith, E. T., *Or.* 1937
6410 Fannin, Houston, Tex.

SMITH, G. G., hon. s. (*W.S.* 1909)
136 Myrtle

Smith, H. W., *Dn.* 1946
100 York, New Haven, Conn.

SMITH, J. A., *Bd. of Cons.*
1180 Beacon, Brookline

SMITH, L. H., Jr., assoc. p. (*M.* 1949); c.r.p. 1956 M. G. H.

Smith, M. L., a.r.p. *An.* 1951
Mid-State Med. Center, Nashville, Tenn.

Smith, N. T., a.r.p. *An.* 1960
military service

SMITH, RAPHAEL F., a.r.p. (*M.* 1961) M. G. H.

Smith, Richard H., a.r.p. *Psychiat.* 1958 104 Chestnut

Smith, Richard M., *W.M.* 1909
401 Beacon

Smith, Robert P., *M.* 1943
Vermont Rehabilitation Center, Burlington, Vt.

SMITH, T. R., a.s. *Oph.* and dir. *Oph. Path.* Mass. E. & E. Inf.

Smith, W. Pierce, r.p. 1956
Henry Ford Hosp., Detroit, Mich.

SMITH, WILLIAM D., hon. p. (*W.M.* 1913) 1731 Beacon, Brookline

SMITH-PETERSEN, M., a.s. *Or.;* sr. r.s. *Or.* 1952 266 Beacon

SMITHWICK, R. H., *Bd. of Cons.* (*E.S.* 1927); r.s. *W.S.* 1928
203 Commonwealth Ave.

Sneddon, E. A., r.p. *An.* 1954
Boston Univ.-Mass. Memorial Hosp. Med. Center

SNIFFEN, R. C., assoc. v. path.; r.p. *Path.* 1940
Memorial Hosp., 119 Belmont, Worcester; M. G. H.

SNOW, J. C., dir. *An.* (*E.* & *E.*)
Mass. E. & E. Inf.

Snyder, J. C., *W.M.* 1939
Harvard Sch. of Public Health

Snyder, Monica H., r.p. *An.* 1935
10883 Whipple, N. Hollywood, Calif.

Snyder, W. H., Jr., *W.S.* 1933; r.s. 1935 1400 N. Vermont Ave., Los Angeles, Calif.

Sober, S., a.r.s. *Or.* 1953
481 Colbourne, London, Ontario, Canada

SOHIER, W. D., Jr., a.p. (*M.* 1947); r.p. 1951 M. G. H.

Soholt, S. T., sr.r.s. *Or.* 1951
139 Arch, Redwood City, Calif.

SOLOMON, H. C., hon. p.; cons. psychiat. (*McL.*)
Commonwealth of Mass. Mental Health Dept., 15 Ashburton Pl.
Solomon, J., r.p. *N.* 1944
8820 Wilshire Blvd., Beverly Hills, Calif.
SOLOWAY, A. H., assoc. chem. *N.S.* M. G. H.
Sosa, D., r.s. *N.S.* 1959
11 Calle 2-37, Zone 1, Guatemala City, Guatemala
SOSKIN, W. F., res. assoc. *Psychol.* (*McL.*) McLean Hosp., Belmont
Sosman, J. L., a.r.p. *R.* 1952
Robert Breck Brigham Hosp.
Soule, A. B., a.r.p. *R.* 1932
Mary Fletcher Hosp., Burlington, Vt.
SOUTTER, L., clin. assoc. *S.*; a.r.s. 1941
Vet. Adm. Area Med. Office, 330 Stuart
SOWLES, H. K., hon. s. (*W.S.* 1917); h.s. *W.S.* 1918
413 Blackstrap Rd., Falmouth, Maine
SOYKA, L. F., a.r.p. *C.* (*C.* 1962) M. G. H.
Spalding, R., *E.M.* 1902
Longwood Towers, Brookline
SPANGLER, A. S., a. *D.*; r.p. *D.* 1945 1101 Beacon, Brookline
Spangler, P. E., *W.S.* 1925
2747 S. W. Roswell Ave., Portland, Oreg.
SPANN, J. F., Jr., a.r.p. (*M.* 1962) M. G. H.
Spear, L. M., *E.M.* 1906
483 Beacon
SPEARE, G. S., *Bd. of Cons.* (*W.S.* 1927) 353 Commonwealth Ave.
SPELLMAN, J. W., *Bd. of Cons.* (*Thd. S.* 1924 and *W.S.* 1926)
1101 Beacon, Brookline
Spence, H. M., *W.S.* 1932; r.s. *U.* 1934 4105 Live Oak, Dallas, Tex.
Spencer, J. Robert, *E.M.* 1943
1829 High, Denver, Colo.
Spencer, Jack, r.p. *R.* 1934
Union Hosp., Fall River
SPENCER, KATHERINE, res. assoc. *Soc. Anthropol.* (*McL.*)
Boston Univ. Sch. of Social Work
Spencer, R. E., a.r.p. *An.* 1951
Moses H. Cone Memorial Hosp., Greensboro, N. C.
Sphire, R. D., a.r.p. *An.* 1955
Grace Hosp., Detroit, Mich.
Splithoff, C. A., *Or.* 1942
3406 Webster, Oakland, Calif.
Sporer, Edita Sternova, *An.* 1942
459 Park Ave., Paterson, N. J.
SPRAGUE, H. B., *Bd. of Cons.* (*E.M.* 1924) 1180 Beacon, Brookline
Squire, Lucy F., a.r.p. *R.* 1944
1 Gracie Ter., New York, N. Y.
SQUIRES, H. J., a. podiatrist *Or.*
145 Tremont
Stall, B. G., III, *M.* 1947; r.p. 1949
Univ. of Tennessee Memorial Res. Center and Hosp., Knoxville, Tenn.
STALVEY, H. D., a. attend. psychiat. (*McL.*) 1419 Beacon, Brookline
STANBURY, J. B., p. (*W.M.* 1941); c.r.p. 1948 M. G. H.
STANTON, A. H., c. psychiat. (*McL.*); psychiat. McLean Hosp., Belmont
Staples, O. S., Jr., *Or.* 1938
Hitchcock Clinic, Hanover, N. H.
Starke, R. D., *M.* 1959; a.r.p. 1960
490 Post, San Francisco, Calif.
Starobin, O. E., *M.* 1955; a.r.p. 1956
27 Elm, Worcester
Starr, I., *W.M.* 1922
Sch. of Med., Univ. of Pennsylvania, Philadelphia, Pa.
STASON, W. B., a.r.p. (*M.* 1961) M. G. H.
States, J. D., a.r.s. *Or.* 1955
15 Prince, Rochester, N. Y.
STAUFFER, RUTH E., a. *N.*; r.p. *N.* 1949 M. G. H.
Stearns, T., *E.S.* 1913 and *Or.* 1914
736 Haxtun Ave., Orange, N. J.
STEBBINS, H. D., clin. assoc. *M.* (*E.M.* 1933) 342 Essex, Salem
STECKEL, R. J., a.r.p. *R.* M. G. H.
Steel, D., r.p. *R.* 1925
7911 Detroit Ave., Cleveland, Ohio
Steele, B. W., Jr., a.r.s. 1952
Utica Sq. Med. Center, Tulsa, Okla.
Steenburg, D. B., *E.S.* 1915
1107 8th, Aurora, Nebr.
Steenburg, E. K., *E.S.* 1919
4200 Cathedral Ave., N.W., Washington, D. C
STEMPIEN, J. H., a.dn.s. (*Dn.* 1960); r.s. *Dn. M.* 1961
328 Washingotn, Wellesley Hills; 29 Commonwealth Ave.
Stenger, R. J., a.r.p. *Path.* 1958
Cincinnati Gen. Hosp., Cincinnati, Ohio

Stephens, W. A., *Or.* 1943
Pasteur Med. Bldg.,
St. Louis, Mo.

STEPHENSON, MARY L., a. biochem. *M.* M. G. H.

Stern, N. S., *E.M.* 1917
899 Madison Ave.,
Memphis, Tenn.

STERNBACH, R. A., a. psychol.
M. G. H.

STERNSTEIN, H. J., assoc. s. *Otolar.*
54 Winter, Norwood

Stetson, J. B., a.r.p. *An.* 1953
Children's Med. Center

Stetson, R. P., *W.M.* 1928
Vet. Adm. Area Med. Office,
30 Cornhill

Stevens, Harold W., *C.M.* 1914 and *E.M.* 1916
369 Ferry Rd., Saco, Maine

Stevens, Horace P., *W.S.* 1907
Boothbay Harbor, Maine

Stewart, James M., *M.* 1946
344 West Ave., Rochester, N. Y.

Stewart, John D., *E.S.* 1930; r.s. *W.S.* 1933
Edward J. Meyer Memorial Hosp.,
Buffalo, N. Y.

Stewart, John E., a.r.s. *Or.* 1947
1012 Summit Ave., Seattle, Wash.

Stewart, S. F., *Or.* 1921
1133 Punchbowl, Honolulu, Hawaii

Stewart, William C., *W.M.* 1934
1205 Quarrier, Charleston, W. Va.

Stewart, William G., Jr., *S.* 1960; a.r.s. 1961 Children's Med. Center

Stiefel, D. M., *Or.* 1923
1553 Woodward Ave.,
Detroit, Mich.

Stiff, D. W. S., r.p. *R.* 1950
Edward J. Meyer Memorial Hosp.,
Buffalo, N. Y.

STILES, CLAIRE M., a.r.p. *An.*
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STILES, Q. R., a.r.s. (*S.* 1956)
M. G. H.

Stinchfield, A. J., a.r.s. *Or.* 1949
16 E. Chestnut, Augusta, Maine

STOCKS, J. F., clin. assoc. *C.*; a.r.p. *C.* 1961
67 Silver,
Waterville, Maine

Stoddard, J. K., *E.M.* 1917
R.D. 4, Easton, Md.

STOECKLE, J. D., a.p. (*M.* 1949); r.p. 1951 M. G. H.

STOFFYN, ANNE M., a. biochem. (*McL.*) McLean Hosp., Belmont

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Stokes, J., Jr., *W.M.* 1921
Children's Hosp., Philadelphia, Pa.

Stokes, J., III, r.p. 1954
1250 Punchbowl, Honolulu, Hawaii

Stolman, J. M., *Dn.* 1956
18 Asylum, Hartford, Conn.

STONE, A. A., a. psychiat. (*McL.*); r.p. *Psychiat.* (*McL.*) 1958
McLean Hosp., Belmont

STONE, BARTLETT H., clin. assoc. *Obst.* 1101 Beacon, Brookline

Stone, Bernard B., r.s. *N.S.* 1955
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478 Commonwealth Ave.

Stout, H. A., *Path.* 1938; r.p. *Path.* 1939
1200 N. Walker, Oklahoma City, Okla.

Stout, K. L., r.p. *D.* 1935
4418 Vineland Ave.,
N. Hollywood, Calif.

Stovner, J., a.r.p. *An.* 1953
Fethlitzgt 1, Oslo, Norway

Straehley, C. J., Jr., *W.S.* 1947; a.r.s. 1953 1200 E. Genesee,
Syracuse, N. Y.

STRATTON, KATHLEEN, a. physicist *M.* M. G. H.

Strauss, A. E., *E.M.* 1916
3720 Washington Ave.,
St. Louis, Mo.

STRAUSS, F., admin. a. M. G. H.

STRAUSS, J. S., r.p. *Psychiat.* (*McL.*)
McLean Hosp., Belmont

Strayer, L. M., Jr., *Or.* 1939
144 Golden Hill, Bridgeport, Conn.

STRICKLER, W. L., a.r.s. *U.*; a.r.s. 1958 M. G. H.

Strole, W. E., Jr., *M.* 1959; a.r.p. 1960
M. G. H.

Strom, J. O., r.p. *N.P.* 1955
150 Lloyd Ave., Providence, R. I.

Stunkard, A. J., *M.* 1946
Hosp. of Univ. of Pennsylvania,
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Sturdevant, C. L., *Or.* 1939
234 Marlborough

STURGIS, G. P., a.p.
1101 Beacon, Brookline

Sturgis, S. H., *E.S.* 1933
Peter Bent Brigham Hosp.

SUBY, H. I., v.u.; r.s. *P.H.* 1937 and *U.* 1939 262 Beacon

Sugiyama, T., j.r.s. 1944; r.s. *U.* 1946
Metz Bldg., Grand Rapids, Mich.

Sullivan, E. R., *E.M.* 1936 and *Path.* 1937; r.p. 1941
139 Adams, Milton

SULLIVAN, G. L., s. *Oph.* M. G. H.

Summerall, C. P., III, *M.* 1956; a.r.p. 1957 University Health Service, Tulane Univ. of Louisiana, New Orleans, La.

Surls, J. K., *Or.* 1920 and *E.S.* 1922
130 East End Ave., New York, N. Y.

Sussman, M. L., r.p. *R.* 1930
1130 E. McDowell Rd., Phoenix, Ariz.

Sutherland, D. W., *M.* 1958; r.p. 1960
4 High, Drift, Ky.

Sutherland, G. F., r.p. *Psychiat.* (*McL.*) 1941
Dept. of Mental Hygiene, 2218 N. Charles, Baltimore, Md.

Sutphin, A. K., *W.M.* 1943; a.r.p. 1946 1805 Monument Ave., Richmond, Va.

Suyama, E., *S.* 1951; a.r.s. 1955
Maine Coast Memorial Hosp., Ellsworth, Maine

Swaim, L. T., *W.S.* 1912
Nutting Rd., Groton

Swan, Channing S., *W.S.* 1925
2 Willow Rd., Weston

Swan, Charles L., Jr., *W.S.* 1929
262 Beacon

SWARTZ, J. H., *Bd. of Cons.*
483 Beacon

SWARTZ, MORRIS, a. *Otolar.*
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SWARTZ, MORTON N., assoc.p. (*M.* 1948); c.r.p. 1953 M. G. H.

Sweeny, D. N., Jr., *W.S.* 1941; r.s. 1943 Riverside Clinic, Detroit, Mich.

Sweet, E. B., a.r.s. *Or.* 1954
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Sweet, P. L., *Dn.* 1949; a.r.s. *Dn.* 1950
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Sweet, Robert B., a.r.p. *An.* 1950
University Hosp., Ann Arbor, Mich.

SWEET, W. H., c. *N.S.* (*N.S.* 1936); r.s. *N.S.* 1941 M. G. H.

Sweetnam, G. H., *Dn.* 1937
743 High, Dedham

Swineford, O., Jr., *W.M.* 1927
Univ. of Virginia Hosp., Charlottesville, Va.

Sycamore, L. K., a.r.p. *R.* 1929
Hitchcock Clinic, Hanover, N. H.

SZABÓ, G., a. biol. *D.* M. G. H.

Tabor, Celia White, *M.* 1945
3130 Wisconsin Ave., N. W., Washington, D. C.

TAFT, E. B., path. M. G. H.

TAFT, PRISCILLA D., a. path. M. G. H.

Talalay, P., *S.* 1949; a.r.s. 1950
Dept. of Med., Univ. of Chicago, Chicago, Ill.

Talamo, R. C., *C.* M. G. H.

Talbert, O. R., r.p. *N.* 1953
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TALBOT, F. B., hon. p. (*E.M.* 1907)
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TALBOT, N. B., acting c. *C.* M. G. H.

Talin, J. J., *Or.* 1943
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TALLAND, G. A., psychol. M. G. H.

Tallon, J. B., a.r.p. *R.* 1953; sr.r.s. *Or.* 1959 57 Roy, Kitchener, Ontario, Canada

Talmadge, S. McN., *W.S.* 1938; r.s. *P.H.* 1939
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Tan, Chung-Chang, *Or.* 1943
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Tandon, R., r.p. 1960
Children's Med. Center

TANNER, JAMES W., r.p. *R.* M. G. H.

Tanner, Joseph B., sr.r.s. *Or.* 1954
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Tannheimer, J. F., r.p. *Path.* 1945; a.r.p. 1948 525 Lafayette, Ionia, Mich.

Tatlock, H., *W.M.* 1940
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TAYLOR, G. W., *Bd. of Cons.* (*W.S.* 1924); r.s. *E.S.* and *W.S.* 1925
Taylor Med. Bldg., Weston

Taylor, I. M., *M.* 1946; c.r.p. 1951
Univ. of North Carolina Sch. of Med., Chapel Hill, N. C.

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Taylor, John H., *E.M.* 1917
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Teel, C. E., *W.S.* 1925
8715 N.E. 3rd Pl., Bellevue, Wash.

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Tenney, Vivian A., a.r.s. *Gyn.* 1943 108 E. 66th, New York, N. Y.
Tetirick, J. E., *S.* 1952; a.r.s. 1956 131 S. Grant Ave., Columbus, Ohio
Thacher, H. C., *C.M.* 1942 11 Turner, Auburn, Maine
Thatcher, B. van H., *E.S.* 1945; a.r.s. 1950 1020 S.W. Taylor, Portland, Oreg.
Thaxter, L. T., *E.M.* 1916; a.r.p. *R.* 1928 Cumberland Foreside, Portland, Maine
THEOPOLD, P. H., *Trustee* 294 Washington
Theus, W. W., *Dn.* 1952 1019 Pickens, Columbia, S. C.
THIER, S. O., a.r.p. (*M.* 1961) M. G. H.
THOMA, K. H., hon. s. 1146 Beacon, Brookline
Thomas, Anne G. T., a.r.p. *Path.* 1956 73 Station Rd., Llanishen, Cardiff, Wales
Thomas, H. M., Jr., *W.M.* 1917 314 Overhill, Baltimore, Md.
THOMAS, JACKSON M., a. *Psychiat.;* r.p. *Psychiat.* (*McL.*) 1933 319 Longwood Ave.
Thomas, John B., *M.* 1953; a.r.p. 1954 124 Jefferson, Hartford, Conn.
Thomas, R. L., *N.S.* 1933 and *E.S.* 1936 2844 Summit, Oakland, Calif.
Thomas, W. A., a.r.p. *Path.* 1951 Albany Med. Coll., Albany, N. Y.
Thompson, J. E., *E.S.* 1943; r.s. *N.S.* 1945; a.r.s. 1948 1008 N. Washington Ave., Dallas, Tex.
Thompson, M. S., *Or.* 1934; r.s. *Or.* 1935 Nix Professional Bldg., San Antonio, Tex.
Thompson, P. P., Jr., *W.M.* 1942; a.r.p. 1946 704 Congress, Portland, Maine
THOMPSON, R. H., clin. assoc. *S.* (*E.S.* 1937); r.s. 1940 79 Highland Ave., Salem
Thompson, S. B., a.r.s. *Or.* 1947 5520 W. Markham, Little Rock, Ark.
Thompson, W. Taliaferro, Jr., a.r.p. 1941 Med. Coll. of Virginia, Richmond, Va.
Thompson, Walter A., r.p. *Psychiat.* (*McL.*) 1931 Pinewood, Katonah, N. Y.
Thomson, C. P., r.p. *Psychiat.* (*McL.*) 1962 M. G. H.
THORNDIKE, A., *Bd. of Cons.* (*W.S.* 1923) 15 Holyoke, Cambridge
Thornton, C. E., a.r.p. *Psychiat.* 1958 14 Main, Topsfield
Thorp, E. G., *E.M.* 1931 Malden Hosp., Malden
Thurlbeck, W. M., a.r.p. *Path.* 1958 McGill Univ., Montreal, Canada
TIBBETTS, MARGARET C., dir. *S.N. and Nurs. Serv.* (*McL.*) McLean Hosp., Belmont
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TIMBERLAKE, W. H., assoc. n.; r.p. *N.* 1949 Lemuel Shattuck Hosp., Jamaica Plain; M. G. H.
Timm, A. B., Jr., r.p. *D.* 1956 36 W. Main, Milford, Conn.
TINGEY, W. H., Jr., a.dn.s.; a.dn.s. (*McL.*) (*Dn.* 1959) 363 Marlborough
Tisdale, W. A., *M.* 1952; r.p. 1956 Dartmouth Med. Sch., Hanover, N. H.
Tobin, W. J., *Or.* 1939 1835 Eye, N.W., Washington, D.C.
TOCH, R., a. pediat. 98 Adams, Milton
Todd, B. P., *W.M.* 1938 1 Monument Sq., Beverly
TODD, D. P., an.; r.p. *An.* 1947 M. G. H.
Toll, G. D., *S.* 1952; a.r.s. 1957; a.r.p. *Path.* 1959 Presbyterian Hosp., Denver, Colo.
TOLL, KAREL van S., a. *N.* 197 Coolidge Hill Rd., Cambridge
TOLMAN, M. M., d. 636 Beacon
TOMCHIK, F. S., a.r.; r.p. *R.* 1955 M. G. H.
Tompkins, D. G., sr.r.s. *Or.* 1958 Gundersen Clinic, La Crosse, Wis.
Tompkins, J. B., r.p. *Psychiat.* (*McL.*) 1937 75 Linden, Brattleboro, Vt.
Toriello, J., r.p. *R.* 1955 4a Calle 6-35, Zone 1, Guatemala City, Guatemala
Tow, P. M., a.r.p. *Psychiat.* 1954 111 Balaam, London E. 13, England
Towery, B. T., r.p. 1946 323 E. Chestnut, Louisville, Ky.

TOWNSEND, J. H., *Bd. of Cons.* (*W.M.* 1923) M.I.T., Cambridge
TRACHTENBERG, H. A., a.r.p. *An.* M. G. H.
Tracy, R. J., *E.S.* 1943; a.r.s. 1949 153 South, Pittsfield
TRAKAS, J. C., a. *Otolar.* 1269 Beacon, Brookline
Trapp, C. E., r.p. *Psychiat.* (*McL.*) 1937 99 Bay State Rd.
Traver, C. A., *W.S.* 1927 28 Willett, Albany, N. Y.
Traver, R. F., *E.S.* 1930 Vet. Adm. Hosp., Bath, N. Y.
Trethowan, W. H., a.r.p. *Psychiat.* 1951 Univ. of Sydney, Sydney, New South Wales, Australia
Trevett, L. D., a.r.p. 1933; r.p. *N.* 1934 274 Commonwealth Ave.
TRIEGER, N., a. oral s. (*Dn.* 1955); a.r.s. *Dn.* 1956 29 Commonwealth Ave.
Tripp, C. C., *W.S.* 1923 97 Madison, New Bedford
TRISTAN, M. P., a. *Pediat.* 12 Boston Post Rd., Sudbury
Troppoli, D. V., *N.* 1927 380 Broadway, Providence, R. I.
Trowbridge, E. H., Jr., a.r.p. *N.* 1940 Professional Bldg., Kansas City, Mo.
Troxler, E. R., *Or.* 1942 1005 Professional Village, Greensboro, N. C.
TRUMAN, J. T., c.r.p. *C.* (*C.* 1961) M. G. H.
TRUMP, J. G., cons. *Physics* M. I. T., Cambridge
Tucker, J. T., *Or.* 1930 116 E. Franklin, Richmond, Va.
Tucker, R. P., *W.S.* 1939; a.r.s. 1940 1603 Ware Ave., East Point, Ga.
Tucker, W. I., r.p. *Psychiat.* 1944 Lahey Clinic
TUDOR, F., clin. assoc. *M.* 51 Randolph Ave., Milton
TURNDORF, H., a. *An.* M. G. H.
Turner, J. D., *M.* 1957; a.r.p. 1958 National Inst. of Health, Bethesda, Md.
Tuttle, E. P., Jr., *M.* 1952; a.r.p. 1953 Emory Univ. Med. Sch., Atlanta, Ga.
Twombly, G. H., *W.S.* 1932 842 Park Ave., New York, N. Y.
Tyson, R. G., a.r.p. *C.M.* 1950 733 Washington Rd., Pittsburgh, Pa.
ULFELDER, H., c. *Gyn.* (*E.S.* 1939); r.s. *E.S.* 1941 M. G. H.
Ulick, S. C., *C.M.* 1952 Memorial Hosp., 444 E. 68th, New York, N. Y.
Ulmer, J. L., r.s. *N.S.* 1942 McGuire Vet. Adm. Hosp., Richmond, Va.
Urist, M. R., sr. r.s. *Or.* 1947 1019 Grayley Ave., Westwood Village, Los Angeles, Calif.
Urmy, T. V., *E.M.*, 1928; r.p. *E.M.* 1930 Williams College, Williamstown
URQUHART, J., III, a.r.s. (*S.* 1960) M. G. H.
URSCHEL, H. C., Jr., r.s. (*S.* 1956) M. G. H.
Uyeda, C. I., *C.M.* 1950; a.r.p. *C.M.* 1951 2425 Geary Blvd., San Francisco, Calif.
Vagelos, P. R., *M.* 1955; a.r.p. 1956 National Inst. of Health, Bethesda, Md.
van AMERONGEN, SUZANNE T., assoc. attend. psychiat. (*McL.*) 315 Dartmouth
Van Buskirk, D., *M.* 1958; a.r.p. 1959 Mass. Mental Health Center
Vance, L. A., *Path.* 1937; r.p. *R.* 1939 262 Beacon
Vance, R. G., r.p. *R.* 1924 262 Beacon
VANDERPOL, M., a. psychiat. (*McL.*) 61 Eaton Rd., Needham
Vanderveen, J. L., c.r.p. *An.* 1955 Boston Univ.-Mass. Memorial Hosp. Med. Center
VAN DYKE, WILHELMINA, a. pediat. (*C.M.* 1942); r.p. *C.M.* 1943 16 Spafford Rd., Milton
Van Eerde, A., a.r.p. *An.* 1955 Paterson Gen. Hosp., Paterson, N. J.
VAN GORDER, G. W., hon. s. 36 Regent, W. Newton
Van Nüys, F., *E.M.* 1907 338 Boston Post Rd., Weston
van Ravenswaay, A. C., *Path.* 1934 708 N. Country Club, Tucson, Ariz.
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Varney, H. I., r.p. *Psychiat.* (*McL.*) 1938 5904 Connecticut Ave., Chevy Chase, Md.
Vaughan, R. H., *E.S.* 1944 Physicians Bldg., Columbus, Ga.
Vaughan, V. C., III, *C.M.* 1943 Med. Coll. of Georgia, Augusta, Ga.

Veazey, P. M., *C.M.* 1956; a.r.p. *C.M.* 1957
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Veldee, M. V., *E.M.* 1920
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252 Pleasant, Marblehead

Vesell, E. S., *C.M.* 1960
Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.

Vial, A. B., *E.S.* 1943
University Hosp., Ann Arbor, Mich.

VICKERY, A. L., Jr., path. M. G. H.

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VILLEE, DOROTHY B., a. pediat. (*C.M.* 1956) M. G. H.

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Vitt, R. J., a.r.s. *Or.* 1951
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Voke, E. L., j.r.p. *R.* 1931
Ohio Bldg., Akron, Ohio

Volwiler, W., *M.* 1944; r.p. 1945
Univ. of Washington Sch. of Med., Seattle, Wash.

von FELSINGER, J. M., psychol. M. G. H.

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Waddell, W. R., *W.S.* 1944; r.s. 1951
Univ. of Colorado Sch. of Med., Denver, Colo.

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Waldmann, Katharine Spreng, *M.* 1955; r.p. 1957
3910 Rickover Rd., Silver Spring, Md.

Waldmann, T. A., *M.* 1956
National Inst. of Health, Bethesda, Md.

Waldron, A. M., *E.M.* 1938; a.r.p. 1939
309 N. Ingalls, Ann Arbor, Mich.

Walke, J. T., a.r.p. *C.M.* 1948
303 Washington Ave., S.W., Roanoke, Va.

Walker, E., past a. dir. Pembroke, Bermuda

Walker, G. M., a.r.s. 1951
Burbank Hosp., Fitchburg

WALKER, J. K., clin. assoc. *Dn. M.* (*Dn.* 1954)
42 W. Brook, Manchester, N. H.

Walker, R. H., a.r.p. *Path.* 1951; a.r.s. 1953 Med. Arts Bldg., Calgary, Alberta, Canada

Wallace, E. P., a.r.p. *C.M.* 1948
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Wallwork, D. W., *E.S.* 1932
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Walser, M., *M.* 1949; a.r.p. 1950
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WALTER, M. M., Jr., a. psychiat. (*McL.*); a.r.p. *Psychiat.* 1955; r.p. *Psychiat.* (*McL.*) 1958
McLean Hosp., Belmont

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WANG, CHIU-CHEN, assoc. r.; r.p. *R.* 1952 M. G. H.

Wang, Shen Kuang, a.r.s. *Or.* 1957
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Wang, Yang, *M.* 1953; r.p. 1957
Univ. of Minnesota Hosp., Minneapolis, Minn.

Ward, A. J., *E.S.* 1929
39 Elm, Morristown, N. J.

Ward, J. L., *E.M.* 1935
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Waring, E. S., *E.M.* 1919
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WARNER, F. A., a. *M.*
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Watson, Robert F., *W.M.* 1936
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Watts, A. B., *E.S.* 1943
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Waud, Barbara E., a.r.p. *An.* 1959
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WEBB, J. W., admin. a. M. G. H.

WEBER, A. L., a.r.; r.p. *R.* 1959
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WEBSTER, E. W., physicist *R.*
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WEBSTER, H. de F., a.n. and a.n.p.; r.p. *N.* 1956 M. G. H.

Webster, R. C., *E.S.* 1943; j.r.s. 1944
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WEINBERG, R. A., a.r.p. *D.*
M. G. H.

WEINBERGER, J. L., assoc. psychiat.
51 Brattle, Cambridge

Weinfeld, M.S., a.r.s. *Or.* 1961
Children's Med. Center

WEINSTEIN, L., assoc.p.
New Eng. Center Hosp.

Weir, D. R., r.p. *Path.* 1938
Highland View Hosp., Cleveland, Ohio

WEISBERGER, D., c. *Dn.* and oral s.
188 Longwood Ave.

WEISER, A., a. *Otolar.*
390 Pine, Fall River

WEISMAN, A. D., assoc. psychiat.; r.p. *Psychiat.* 1945
80 Woodbine Rd., Belmont

Weiss, L. L., a.r.p. *An.* 1956
1225 N. Madison Ave., Anderson, Ind.

WELCH, C. E., v.s. (*E.S.* 1934); r.s. *E.S.* 1937 M. G. H.

WELD, G. S., *Secretary* and *Asst. Treasurer of the Corporation*
45 Milk

WELIKY, I., a. biochem. *M.* M. G. H.

Welles, E. S., *E.S.* 1921
20 Church, Saranac Lake, N. Y.

WELLS, L. D., clin. assoc. *Psychiat.*
82 Marlborough

WENER, L., a. *R.* M. G. H.

Wenig, M., *Dn.* 1945
253-02 Northern Blvd., Little Neck, Long Island, N. Y.

Wenlund, D. E., *S.* M. G. H.

WERMER, H., attend. psychiat. (*McL.*)
McLean Hosp., Belmont

WERMER, OLGA S., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Wescott, H. H., *Or.* 1924
Irvington, Va.

WESSELHOEFT, C., cons. *M.*
315 Marlborough

WEST, F. J., a.s. *Oph.*
195 Ashmont, Dorchester

West, W. W., *S.* 1948; a.r.s. 1954
2420 N. California, Stockton, Calif.

WEYLMAN, W. T., a. *R.;* r.p. *R.* 1960 M. G. H.

Wheeler, B. C., *E.S.* 1926
27 Elm, Worcester

WHEELER, C. GENE, a.r.s. (*S.* 1956)
M. G. H.

Wheeler, Charles A., *N.S.* 1935 and *W.S.* 1938 69 West, Leominster

WHEELER, E. O., assoc. p. M. G. H.

Wheeler, J. T., *M.* 1956
Med. Arts Bldg., Dallas, Tex.

Wheeler, R. R., *W.M.* 1922
57 Marmion Way, Rockport

Wheeler, W. E., *C.M.* 1934
Children's Hosp., Columbus, Ohio

WHEELOCK, F. C., Jr., assoc.v.s. (*E.S.* 1943); a.r.s. 1949
1180 Beacon, Brookline

WHISKIN, F. E., a. attend. psychiat. (*McL.*); r.p. *Psychiat.* (*McL.*) 1952; r.p. *Psychiat.* 1954
160 Commonwealth Ave.

WHITE, C. J., hon. p.
259 Marlborough

WHITE, E. M., a. dir. M. G. H.

WHITE, J. C., *Bd. of Cons.* (*W.S.* 1925); r.s. *W.S.* 1927 M. G. H.

White, L. P., *M.* 1950; a.r.p. 1951
Children's Cancer Research Foundation, 35 Binney

WHITE, P. D., hon. p.; cons. cardiol. (*McL.*) (*C.M.* 1911 and *W.M.* 1913); h.p. *W.M.* 1920
264 Beacon

Whitelaw, G. P., *W.S.* 1937
Boston Univ.-Mass. Memorial Hosp. Med. Center

WHITFIELD, T. J., III, a. pediat. (*C.M.* 1954); c.r.p. *C.M.* 1957
Concord Med. Center, Concord

Whitford, W., *Or.* 1931
80 Sherman Ave., New Haven, Conn.

WHITING, R. G., a.p.
226 Marlborough

WHITNEY, J. B., a. *Oph.*
314 County, New Bedford

Whittemore, J. P., *C.M.* 1946; a.r.p. *C.M.* 1947
2330 N.W. Flanders, Portland, Oreg.

Whittemore, W. S., *S.S.* 1910
987 Memorial Dr., Cambridge

WIEDMAN, M., a. *Oph.*
9 Central, Lowell

Wigglesworth, W. C., *E.S.* 1945
78 County Rd., Ipswich

Wilcox, J. C., *C.M.* 1937
328 N. Indian Hill Blvd., Claremont, Calif.;
146 Nemaha, Pomona, Calif.

Wilcox, R. E., *S.* 1949; a.r.s. 1955
Beckley Memorial Hosp., Beckley, W. Va.

Wilde, H. D., Jr., a.r.s. *Or.* 1962
64 Halsey Ave., Wellesley

WILKER, S. R., a.s. *Otolar.*
285 Commonwealth Ave.

WILKINS, E. W., Jr., assoc. v.s. (*W.S.* 1945); a.r.s. 1951 M. G. H.

Willetts, A. T., a.r.s. *U.* 1942
79 Union Pl., Summit, N. J.

WILLIAMS, A. H., a. *Otolar.*
109 Prichard, Fitchburg

Williams, Charles A., *E.S.* 1920
Box 246, Woodstock, Vt.

WILLIAMS, CONGER, p. (*W.M.* 1940) M. G. H.

Williams, D. W., *W.S.* 1943; r.s. *Or.* 1946; r.s. *U.* 1948
33 Mulberry, Springfield

WILLIAMS, G. MELVILLE, a.r.s. (*S.* 1958) M. G. H.

WILLIAMS, GEORGE H., a. *Otolar.*
Mass. E. & E. Inf.

WILLIAMS, HAROLD W., Jr., r.p. *Psychiat.* (*McL.*); a.r.p. *Psychiat.* 1961 McLean Hosp., Belmont

WILLIAMS, HIBBARD E., r.p. (*M.* 1959) M. G. H.

Williams, O. B., Jr., a.r.p. *An.* 1955
Parkland Memorial Hosp., Dallas, Tex.

Williams, R. C., Jr., *M.* 1955; c.r.p. 1960 Rockefeller Inst. Med. Res., 66th and York Ave., New York, N. Y.

WILLIAMS, V. P., *Bd. of Cons.* (*E.S.* 1931) 330 Dartmouth

Williamson-Lefort, L., *W.M.* 1942
address unknown

WILLS, A. A., Jr., clin. assoc. *M.*
10 P. O. Sq.

Wilson, Edward H., *S.* 1948; a.r.s. 1950 2000 Van Ness Ave., San Francisco, Calif.

WILSON, EMMETT, Jr., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont

Wilson, John C., *Or.* 1917
2010 Wilshire Blvd., Los Angeles, Calif.

Wilson, John C., Jr., *W.S.* 1945; a.r.s. *Or.* 1950
2010 Wilshire Blvd., Los Angeles, Calif.

Wilson, John L., *E.S.* 1940; r.s. 1948
Sch. of Med., American Univ. of Beirut, Beirut, Lebanon

WILSON, P. D., hon. s. (*E.S.* 1914)
535 E. 70th, New York, N. Y.

Wilson, P. D., Jr., *E.S.* 1945; j.r.s. *E.S.* 1946
535 E. 70th, New York, N. Y.

WILSON, R. F., clin. assoc. *C.*
113 Locust, Dover, N. H.

Wilson, W. E., sr.r.s. *Or.* 1961
4460 Sherbrooke, West, Montreal, Canada

Wimberger, H. C., r.p. *Psychiat.* (*McL.*) 1959 M. G. H.

Winkler, G. F., r.p. *N.* 1961 M. G. H.

Winkler, J. J., a.r.p. *R.* 1928
Austin State Hosp., Austin, Tex.

Winn, W. A., *E.M.* 1934
Springville Hosp., Springville, Calif
Winsor, A. P., *W.M.* 1919 and *W.S.* 1921 172 Buckminster Rd., Brookline
Wishard, W. N., Jr., *E.S.* 1927
1711 N. Capitol Ave., Indianapolis, Ind
Wohl, H., a.r.p. 1959
Columbia-Presbyterian Med. Center, New York, N. Y.
WOHL, M. J., r.p. M. G. H.
WOHL, R. H., a.r.s. (*S.* 1960) M. G. H.
WOLF, I., assoc. psychol.
Boston Univ., 308 Bay State Rd.
Wolff, C. T., *M.* 1958
National Inst. of Health, Bethesda, Md.
Wolff, J., *M.* 1954
National Inst. of Health, Bethesda, Md.
Wolff, L., *W.M.* 1924
1101 Beacon, Brookline
WOLTERBEEK, J. C., r.p. *Psychiat.* (*McL.*) McLean Hosp., Belmont
Wong, Joyce Kolling, *O.P.D.* r.p. *C.M.* 1960 36 206th, Bayside, Long Island, N. Y.
Woo, Shutai Tinwong, *W.M.* 1920
address unknown
Wood, B. S., *E.S.* 1933
Vet. Adm. Hosp., N. Little Rock, Ark.
Wood, E. C., *M.* 1951
Vet. Adm. Hosp., W. Haven, Conn.
Wood, H. P., *M.* 1948
Lankenau Med. Bldg., Philadelphia, Pa.
Wood, J. Edwin, Jr., *W.M.* 1923; r.p. *E.M.* 1923 Sch. of Med., Univ. of Virginia, Charlottesville, Va.
Wood, James A., *C.M.* 1915
Box 325, Sea Island, Ga.
Wood, W. E., *Dn.* 1940
1832 Connecticut Ave., N. W., Washington, D. C.
Woodbury, H. W., *Dn.* 1948
218 S. Maryland Parkway, Las Vegas, Nev.
WOODRUFF, L. M., a. u. (*E.S.* 1939); r.s. *U.* 1947
1101 Beacon, Brookline
Wooten, E. Jane Herring, a.r.p. *C.M.* 1944 2512 Fairview Rd., Raleigh, N. C.
Worth, T. C., *W.M.* 1938
Rex Hosp., Raleigh, N. C.
Wosnitzer, M., a.r.s. *U.* 1960
military service
WRIGHT, R. L., a.r.s. *N.S.* M. G. H.
WURTMAN, R. J., a.r.p. (*M.* 1961) M. G. H.
Wyman, E. T., Jr., sr.r.s. *Or.* 1960
1110 Beacon, Brookline
WYMAN, S. M., r.; j.r.p. *R.* 1942
575 Mount Auburn, Cambridge; M. G. H.
Wyngaarden, J. B., *M.* 1949; r.p. 1951
Duke Univ. Med. Center, Durham, N. C.
Wynne, L. C., r.p. *Psychiat.* 1951
National Inst. of Health, Bethesda, Md.
Wysham, D. N., *M.* 1954; a.r.p. 1957
Christian Med. College, Ludhiana, Punjab, India
Yaffee, H. S., a.r.p. *D.* 1953
60 Brattle, Cambridge
YAKOVLEV, P. I., cons. *N.P.* (*N.*) H. M. S.
Yanagisawa, K., *Or.* 1944
216 E. 50th, New York, N. Y.
Yankauer, A., *C.M.* 1941
P.A.H.O.-W.H.O., 1501 New Hampshire Ave., N.W., Washington, D. C.
YATSUHASHI, M., clin. assoc. *S.* (*W.S.* 1945); a.r.s. 1946
Pondville Hosp., Walpole
Yee, L. P. K., *E.M.* 1939 and *W.S.* 1941; a.r.s. 1946
1641 Nuuanu Ave., Honolulu, Hawaii
Yens, O. C., *C.M.* 1930 and *W.M.* 1932 Fort Belvoir, Va.
Youmans, J. B., *E.M.* 1921
U.S. Army Med. Res. and Develop. Command,
Main Navy Bldg., Washington, D.C.
Young, C., *E.S.* 1923
1848 Wilson Ave., Salt Lake City, Utah
Young, D. A., *E.M.* 1933; r.p. *Psychiat.* 1936; r.p. *Psychiat.* (*McL.*) 1937
North Carolina Memorial Hosp., Chapel Hill, N. C.; 714 St. Mary's, Raleigh, N. C.
YOUNG, E. L., hon. s. (*W.S.* 1910)
1180 Beacon, Brookline
Young, J. G., *C.M.* 1926
4005 St. Andrews Dr., Dallas, Tex.

Young, R. A., r.p. *Psychiat.* (*McL.*) 1934
Judge Baker Guidance Center, 295 Longwood Ave

YOUNT, W. J., a.r.p. (*M.* 1961) M. G. H

Yurchak, P. M., *M.* 1958; a.r.p. 1959
Peter Bent Brigham Hosp.

Zacarian, S. A., r.p. *D.* 1955
130 Maple, Springfield

ZACHARIAS, LEONA, biol. *Oph.*
Mass. E. & E. Inf.

Zacks, S. I., *Path.* 1956; a.r.p. *Path.* 1958 Pennsylvania Hosp., Philadelphia, Pa.

ZAMBON, ENES, exec. a. (*S.N.* 1929) M. G. H.

Zamcheck, N., *Path.* 1943
Boston City Hosp.

ZAMECNIK, P. C. M., p. M. G. H.

Zaoussis, A. L., a.r.s. *Or.* 1954
9 Merlin, Athens, Greece

ZARSKY, E. L., a. attend. psychiat. (*McL.*) 201 Buckminster Rd., Brookline

Zartman, H. F., *C.M.* 1954
825 L, Anchorage, Alaska

ZAUDY, ELEONORE C., assoc. pediat.
1247 Beacon, Brookline

Zawacki, B. E., *S.* M. G. H.

ZELLER, J. W., clin. assoc. *M.* (*W.M.* 1935); r.p. 1938
Tufts Univ. Sch. of Med.

Zervas, N. T., sr.r.s. *N.S.* 1961
M. G. H.

ZETZEL, ELIZABETH R., psychiat.; psychiat. (*McL.*) 14 Hubbard Pk., Cambridge

Zieper, I., a.r.p. *N.* 1958
military service

ZIMBLER, S., a.r.s. *Or.* M. G. H.

ZINBERG, N. E., assoc. attend. psychiat. (*McL.*) Beth Israel Hosp.

ZINMAN, L., a.r.s. *U.* M. G. H.

ZISKIND, A., a. *Pediat.* M. G. H.

Zmyslowski, W. P., a.r.p. *An.* 1959
28 Marion Ave., Worcester

ZONDERMAN, B., assoc. s. *Otolar.*
285 Commonwealth Ave.

Zuelzer, W. W., *C.M.* 1937
Children's Hosp., Detroit, Mich.

Zuidema, G. D., *S.* 1954; r.s. 1959
University Hosp., Ann Arbor, Mich

Zukowski, H. J., a.r.p. *An.* 1948
Grace Hosp., Detroit, Mich.

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Shannon, P. W.

ALASKA

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Wallace, E. P.
Milford
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Columbus
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East Point
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Ellijay
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Emory University
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Gainesville
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Brown, F. B.
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Sea Island
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Stokes, J., III
Yee, L. P. K.
Waiakoa
McGovney, R. B.

ILLINOIS

Chicago
Bliss, H. A.
Brown, R. G.
Capps, R. B.
Coolidge, T. B.
Ferguson, L. A.
Katz, A. M.
Meyer, H. I.
Nilges, R. G.
Paul, O.
Perkins, J. F., Jr.
Rabinowitz, M.
Shorey, W. D.
Talalay, P.
Downey
Bornstein, I. D.
Hinsdale
Hall, B.
Jacksonville
Norbury, F. B.
Lake Bluff
Ward, J. L.
Lemont
Brues, A. M.
Springfield
Rauh, A. E.
Waukegan
Waldman, J.
Winnetka
Capps, J. A.

INDIANA

Anderson
Weiss, L. L.
Evansville
Hyatt, G. T.
Hammond
Peiffer, G. M.
Indianapolis
Hamilton, H. B.
Mealey, J., Jr.
Wishard, W. N., Jr.
Richmond
Kennedy, R. P.

IOWA

Des Moines
Gordon, A. M.
Iowa City
Dulin, J. W.
Larson, C. B.
Locksley, H. B.
Oskaloosa
Catterson, L. F.
Waterloo
Bickley, D. W.

KANSAS

Wichita
Knapp, M. R.

KENTUCKY

Drift
Sutherland, D. W.
Harlan
Arrowood, J. G.
Elliot, H. L.
Schueler, H. K.
Lexington
Eiseman, B.
Francis, L.
Massie, W. K.
Scott, T.
Louisville
Atherton, L. D.
Bate, J. T.
Bornstein, A. M.
Harter, J. S.
Jackson, B. B.
Miller, W. L.
Towery, B. T.
Owensboro
Dodson, L. C.

LOUISIANA

Baton Rouge
Hansen, R. H.
Madey, S. L.
New Orleans
Morris, H. D.
Summerall, C. P., III
Shreveport
Ledbetter, B. A.
McIntyre, P. A.
Reed, C. R., Jr.

MAINE

Auburn
Thacher, H. C.
Augusta
Stinchfield, A. J.
Bangor
Brown, L.
Clement, J. D., Jr.
Boothbay Harbor
Stevens, H. P.
Brunswick
Macomber, D.
Caribou
Collins, H. D.
Ellsworth
Suyama, E.
Falmouth
Robinson, C. M.
Sowles, H. K.
Friendship
Frost, H. M.
Loring A.F.B.
Liffmann, K. E.
Northeast Harbor
Fitch, R. R.
Portland
Bidwell, R. LeR., II
Burrage, W. C.
Drake, E. H.
Hawkes, R. S.
Hiebert, C. A.
Holt, C. L.
Johnson, O. R.
McDermott, L. J.
Thaxter, L. T.
Thompson, P. P., Jr.
Rockland
Heath, P., Jr.
Saco
Stevens, H. W.
Waterville
Stocks, J. F.

MARYLAND

Baltimore
Chamberlin, R. W., Jr
Ellis, E. O.
Everett, H. C., III
Fang, H. C.-H.
Firminger, H. I.
Fritz, W. F.
Gay, L. N.
Grant, L. H.
Hovsepian, J. A.
Howard, J. E.
Isaacs, J. P.
Josse, J. W.
King, W. B., Jr.
McClellan, B. J.
Meath, J. A.
Phelps, W. M.
Sutherland, G. F.
Thomas, H. M., Jr.
Walser, M.
Bethesda
Aster, R. H.
Austen, W. G.
Black, P. H.
Brindley, C. O.
Brown, C. S.
Brown, R. H.
Butler, W. T.
Carter, J. R., Jr.
Davidoff, F. F.
Deykin, D.
Drachman, D. A.
Engelman, K.
Field, J. B.
Goldberg, A. H.
Holtz, A. I.
Korn, D.
Lang, D. J.
Laster, L.
McCully, K. S.
Martin, D. B.
Mudd, S. H.
O'Brien, W. M.
Potts, J. T.
Rose, J. A.
Rosenberg, I. H.
Sarnoff, S. J.
Turner, J. D.
Vagelos, P. R.
Waldmann, T. A.

Wolff, C. T.
Wolff, J.
Wynne, L. C.
Chevy Chase
Varney, H. I.
Easton
Stoddard, J. K.
Hagerstown
Greene, D. C.
Silver Spring
Waldmann, K. S.
Takoma Park
Blunden-Morris, D. E.

MASSACHUSETTS

Amherst
Radcliffe, E. J.
Andover
Holihan, J. P.
O'Shea, J. A.
Waddington, E. J.
Arlington
Benda, C. E.
Burbank, C. B.
Carroll, W. J. E.
Cronin, T. P.
McKeigue, J. E.
Olive, G. M., Jr.
Saunders, G. A.
Attleboro
Hill, L. W.
Rae, D. B.
Auburndale
LeVine, H. O.
Bass River
Anderson, E. E.
Belmont
Aeschliman, B. L.
Altschule, M. D.
Bell, N. W.
Cain, A. J.
Caplan, L. M.
Churchill, E. D.
Clark, J. G., Jr.
Coleman, R. M.
Coser, R. L.
De Sanctis, R. W.
Dinsmore, P. R.
Duda, G. A.
Eldred, S. H.
Erle, R. A.
Fischberg, B. W.
Folch-Pi, J.
Gaitonde, M. K.
Grunebaum, H. U.
Hallenbeck, D. F., Jr.
Hanflig, S. S.
Hauser, G.
Haycox, J. A.
Hess, H. H.
Howard, P. M.
Kahne, M. J.
Kershaw, B. R.
Kuldau, J. M.
Langevin, H. J.
LeBaron, F. N.
Lees, M. B.
Levey, B.
Melbin, M.
Mokrasch, L. C.
Mueller, H. P.
Nalebuff, E. A.
Parsons, A.
Pierce, I. R.
Pope, A.
Prekup, J. T.
Pritchard, E. T.
Rapoport, R. N.
Robertson, J. D.
Robinson, P. M.
Schatzki, S. C.
Schnitzer, R. D.
Seeley, C. B.
Sherman, L. J.
Soskin, W. F.
Stanton, A. H.
Stoffyn, A. M.
Stoffyn, P. J. J.
Stone, A. A.
Walter, M. M., Jr.
Washburn, S. L.
Weisman, A. D.
Wermer, H.
Beverly
Alt, R. E.
Fienberg, R.
MacDonald, A. S., Jr.
Parkhurst, A. E.
Risley, T. S.
Scott, D. H.
Todd, B. P.
Boston
Abbott, J. A.
Ackerman, I. P.
Adams, F. D.
Adams, H. D.
Adams, J., Jr.
Adams, R. D.
Agard, E. T.
Aisenberg, A. C.
Albright, F.
Allen, D. W.
Allen, H. F.
Ames, A., III
Andrew, N. W.
Arnason, B. G. W.
Aronow, S.
Aronson, J. A.
Atkins, L.
Aub, J. C.
Aufranc, O. E.
Austen, K. F.
Austin, R. C.
Ayer, J. B.
Baden, H. P.
Badger, T. L.
Baker, D. V., Jr.
Baker, G. P., Jr.
Baker, M. P.
Baker, W. H.
Balazs, E. A.
Balboni, G. M.
Balboni, V. G.
Ballantine, H. T., Jr.
Balogh, K., Jr.
Bandler, B.
Banker, B. Q.
Banks, H. H.
Barlow, J. S.
Barnes, B. A.
Barr, J. S.
Barry, H., Jr.
Bartlett, M. K.
Barton, T. C.
Battat, F. A.
Battit, G. E.
Bauer, W.
Beck, W. S.
Beecher, H. K.
Beetham, W. P.
Behringer, G. E.
Bell, E.
Bell, G. O.
Bellinger, M. J.
Bendixen, H. H.
Benedict, E. B.
Benedict, P. H.
Berenberg, W.
Bernstein, N. R.
Bigelow, F. S.
Binger, C. A. L.
Bird, K. T.
Bland, E. F.
Blane, H. T.
Blank, I. H.
Boruchoff, S. A.
Brady, F. W.
Bragg, R. L.
Bratt, H. A.
Brendler, S. J.
Brendze, R. B.
Brockhurst, R. J.
Broderick, T. F., Jr.
Brown, T.
Brownell, G. L.
Brownsberger, C. N.
Bucher, N. L. R.
Burbank, C. B.
Burden, C. E.
Burke, J. F.
Burnett, F. L.
Burrage, W. S.
Burwell, C. S.
Bush, R. D.
Byers, R. K.
Calnan, A. F.
Caner, G. C.
Cannon, B.
Caplan, G.
Carey, R. W.
Carnes, H. A.
Carney, H. J.
Carter, E. L.
Carter, G. H.
Cass, J. W., Jr.
Casten, V. G.
Castle, W. B.
Castleman, B.
Catinella, P. J.
Caulfield, J. B.
Cavanaugh, T.
Cave, E. F.
Chafetz, M. E.
Chapman, E. M.
Chasin, W. D.
Chisholm, J. F., Jr.
Choras, P. T.
Christman, G.
Chute, R.
Clarke, B. G.
Clay, C. L.
Clifford, S. H.
Clough, J. M.
Cobb, J. K.
Cobb, S.
Cochran, W. D.
Cogan, D. G.
Cohen, J.
Cohen, M. E.
Cohen, R. B.
Cole, E. M.
Cole, M.
Coles, M. R.
Collins, G. H.
Comb, D. G.
Connelly, J. P.
Constable, J. D.
Cook, C. D.
Coons, A. H.

Cooperman, S.
Cope, O.
Covitz, E. E.
Crawford, J. D.
Crone, N. L.
Cronkhite, L. W., Jr.
Culver, P. J.
Cummer, F. H., Jr.
Currens, J. H.
Curwen, W. L.
Daland, E. M.
Dalton, J. C.
Damon, A.
D'Angio, G. J.
d' Autremont, C. C.
Davidson, G. E.
Davies, J. A. V.
DeBlois, E.
Degen, J. W.
DeGroot, L. J.
DeLorme, T. L.
d'Elseaux, F. C.
Dempsey, P. A.
DeWilde, H.
Diamond, L. K.
Dickson, W. A.
Dienes, L.
Dillon, H. T., Jr.
Dodge, P. R.
Donaldson, D. D.
Donaldson, G. A.
Dreyfus, P. M.
Dreyfuss, J. R.
Drooker, J. C.
Drorbaugh, J. E.
Duhl, F. J.
Edsall, R. W.
Dunphy, E. B.
Dwight, R. W.
Eaton, R. G.
Egbert, L. D.
Eger, W. H.
Eldredge, J. H.
Ellett, W. H.
Ellis, D. S.
Ellis, L. B.
Endee, C. H.
Engel, L. L.
England, A. C., Jr.
Ervin, F. R.
Essig, A.
Farmer, D. A.
Fawcett, D. W.
Faxon, H. H.
Fay, J. H.
Federman, D. D.
Fernandez-Moran, H. A. V.
Ferris, B. G.
Field, R. A.
Finck, A. J.
Fine, J.
Finesinger, A. L.
Fish, J. E.
Fisher, C. M.
FitzHugh, G.
Fitzpatrick, T. B.
Flax, M. H.
Fleming, T. C.
Flynn, R. E.
Follensby, E. M.
Forbes, A. P.
Ford, D. E.
Ford, R.
Foster, G. S.
Frantz, A. G.
Frazier, H. S.
Freedberg, I. M.
Freedman, H. J.
Freinkel, R. K.
Fremont-Smith, M.
Fried, M. A.
Friedlich, A. L.
Friedman, E.
Futterman, S.
Gabuzda, T. G.
Gaitonde, M. K.
Ganz, R. N.
Gardella, J. W.
Gardner, G. E.
Garland, J.
Garrett, J. W. D.
Gaston, L. W.
Gauthier, J.
Gephart, F. T.
Gergely, J.
Ginandes, S. C.
Glicklich, E. A.
Glimcher, M. J.
Globus, G. G.
Glotzer, D. J.
Gohd, R. S.
Gordon, J. E.
Gosteli, J.
Goulian, M.
Graham, J. R.
Grant, W. M.
Green, T. H., Jr.
Greene, J. E.
Griesemer, R. D.
Griffey, L. E.
Grillo, H. C.
Gross, J.
Grossman, M. S.
Grove-Rasmussen, M.
Grover, J. W.
Guardo, J. L.
Gundersen, T.
Guralnick, W. C.
Hackett, T. P.
Hacking, P. M.
Haessler, H. A.
Hafter, S. S.
Haggerty, R. J.
Hall, T. C.
Hall, V. R.
Hallowell, P.
Hamlin, E., Jr.
Hamlin, H.
Harper, R. S.
Harris, W. H.
Harwood, R.
Hatch, F. T.
Hawes, L. E.
Hayden, E. P.
Hayden, W. L.
Head, J. M.
Hendren, W. H.
Hendrick, I.
Hermann, H. T.
Hill, J. M.
Hill, L. W.
Hill, W. R.
Hirsch, O.
Holder, R.
Holmes, E. M.
Howe, H. D.
Howe, L. P.
Huber, W. M.
Hugenberger, P. W.
Huggins, C. E.
Hughes, J. R.
Humphreys, S. P.
Huntington, B. L.
Hurley, P. D.
Hurxthal, L. M.
Ingersoll, F. M.
Irwin, J. W.
Isselbacher, K. J.
Jackson, L.
Jacobson, B. M.
Jardetzky, O.
Jeanloz, R. W.
Johannet, P.
Johnson, C. C.
Johnson, D. S.
Johnson, R. T.
Jones, C. M.
Jones, H. W., Jr.
Jones, K. E.
Jones, R. H.
Jones, W. A.
Jones, W. N.
Joseph, A. T.
Kalckar, B. W.
Kalckar, H. M.
Kane, L. W.
Kantor, M.
Kaplan, S.
Karian, E.
Karnes, W. E.
Katz, S. L.
Kazanjian, K. A.
Kazanjian, V. H.
Kearsley, R. B.
Keenan, T. J.
Kelemen, G.
Keller, J. W.
Kelley, R. M.
Kelley, S. B.
Kelly, J. F.
Kelly, L. T.
Kent, C.
Kerr, W. S., Jr.
Kimball, P. G.
Kinoshita, J. H.
Kinsey, D.
Kite, O. W.
Kjellberg, R. N.
Klein, E.
Klotz, R. E.
Knapp, P. H.
Knowles, J. H.
Koch-Weser, J.
Kozol, H. L.
Krane, S. M.
Kranes, A.
Kravitz, A. R.
Krayer, O.
Kubik, C. S.
Kubzansky, P. E.
Kuhns, J. G.
Kulka, J. P.
Kunz, L. J.
Kupfer, C.
Kuwabara, T.
Lamborg, M. R.
Lamdin, S. J.
Lamont, J. H.
Laver, M. B.
Lawrence, G. W.
Leadbetter, G. W., Jr.
Leadbetter, W. F.
Leaf, A.
Leeman, C. P.
Leiderman, P. H.
Lele, P. P.
Lentine, J.
Lerman, J.
Leskowitz, S.
Levene, M. B.

Lever, W. F.
Levine, H. J.
Levitan, J. J.
Lewis, D. K.
Liebman, S. D.
Lincoln, R. C.
Lindemann, E.
Little, J. B.
Littlefield, J. W.
Littmann, D.
Lloyd, J. B.
Loftfield, R. B.
Lombroso, C. T.
Lorch, S.
Lorenz, M.
Lotz, M.
Lowell, F. C.
Lowell, J. D.
Lowis, S.
Ludwig, A. O.
Lund, C. C.
Luongo, M. A.
Mabrey, R. E.
McAlpine, F. S.
McArthur, J. W.
MacAusland, A. R.
MacAusland, W. R., Jr.
McCoy, W. T.
McDermott, W. V., Jr.
McGinn, S.
McGinty, J. B.
McGovern, J. J. M.
McKeigue, J. E.
McMahon, A. W.
McMeel, J. W.
Macmillan, A. S., Jr.
Macnamara, T. E.
McNeely, W. F.
McNeill, J. M.
Madden, E. J.
Maloof, F.
Mangiaracine, A. B.
Mann, W.
Marble, A.
Marble, H. C.
Marcus, S. M.
Marfey, S. P.
Mark, V. H.
Martin, S. F.
Mattos, E. R.
Mayer, R. F.
Maynard, E. P., III
Mayo, C. W.
Mayo, R. A.
Means, J. H.
Meigs, J. V.
Mendelson, J. H.
Merrill, O. E.
Michelsen, J. J.
Miller, D.
Mills, J. A.
Miner, L. M. S.
Miner, R. L.
Ming, S. C.
Mittel, N. S.
Mixter, C. G.
Mixter, C. G., Jr.
Montgomery, W. W.
Moore, F. D.
Moreton, J. R.
Morgan, C. L.
Morgan, W. S.
Morrison, H. R.
Moser, H. W.
Mosher, H. A.
Mueller, B. C.
Mueller, E. H. J.
Mueller, H. L.
Mueller, W.
Muirhead, D. M., Jr.
Murphy, H. J.
Murphy, W. F.
Murray, J. E.
Mushatt, C.
Myers, G. S.
Nadas, A. S.
Nardi, G. L.
Nathan, L.
Nemiah, J. C.
Neuhauser, E. B. D.
Neumann, E. T.
New, P. F. J.
Norcross, J. W.
Noss, G. M.
Nowak, H.
Nowak, M.
Nyilas, E.
O'Brien, R. G.
O'Connor, H.
Ojemann, R. G.
Okamura, I. D.
Olin, H. S.
Olin, M. J.
Olive, G. M., Jr.
Owyang, P.
Packert, R. C.
Page, L. B.
Palmer, R. S.
Parkhurst, E. C.
Parsons, L.
Pathak, M. A.
Pavlo, I. L.
Pechet, M. M.
Peebles, R. R.
Pendergrass, H. P.
Pendleton, M. E.
Perlo, V. P.
Perrin, G. M.
Perry, J. A.
Phillips, E. B., II
Picard, E. H.
Pier, A. S., Jr.
Pierce, D. L.
Pittman, H. S.
Point, W. W.
Pollen, A.
Pontoppidan, H.
Porter, H.
Porter, P. J.
Poskanzer, D. C.
Potsaid, M. S.
Poulin, F. K.
Pratt, T. C.
Prensky, A. L.
Prescott, R.
Pryles, C. V.
Putschar, W. G. J.
Quarton, G. C.
Quinby, J. T.
Quinby, W. C., Jr.
Rackemann, F. M.
Raker, J. W.
Randolph, J. G.
Rappaport, S.
Record, E. E.
Reed, G. F.
Regan, C. D. J.
Reid, D. E.
Reiser, D. E.
Reith, H. C.
Reyersbach, G. C.
Rice, J. O.
Richardson, E. P.
Richardson, G. S.
Richardson, J. R.
Richie, R. H., Jr.
Rieder, S. V.
Riemer, K.
Robbins, L. L.
Robertson, C. W.
Rockwood, E. M.
Rodkey, G. V.
Rolett, E. L.
Roopenian, A.
Ropes, M. W.
Rosen, V. J., Jr.
Rosenberg, E. H.
Rosenblith, J. F.
Rounds, C. E.
Rowe, C. R.
Runge, P. M.
Rutstein, D. D.
Ryan, K. G.
Sahay, B. M.
St. Aubin, P. M. G.
St. Goar, W. T.
Salzman, E. W.
Sanchez, G. C.
Sandler, A. I.
Sasahara, A. A.
Satin, D. G.
Scannell, J. G.
Schepens, C. L.
Scherrer, K.
Schmid, K.
Scholl, M. L.
Schuknecht, H. F.
Schulz, M. D.
Schuster, S. R.
Schwab, R. S.
Scott, A. W.
Scott, J. F.
Scully, R. E.
Seale, E. S.
Sears, J. B.
Selverstone, B.
Semrad, E. V.
Senior, B.
Shangraw, K. A.
Shattuck, G. C.
Shaw, R. S.
Shea, F. P.
Sheldon, C. P.
Shore, S.
Short, C. L.
Sidman, M.
Sidman, R. L.
Sifneos, P. E.
Simon, H.
Sinesi, S. J.
Sisson, J. H.
Sisson, W. R.
Skinner, J. C.
Slater, E. M.
Sloane, A. E.
Smith, C. A.
Smith, G. G.
Smith, L. H., Jr.
Smith, R. H.
Smith, R. M.
Smith, T. R.
Smith-Petersen, M.
Smithwick, R. H.
Sneddon, E. A.
Sniffen, R. C.
Snow, J. C.
Snyder, J. C.
Sohier, W. D., Jr.
Solomon, H. C.
Soloway, A. H.
Sosman, J. L.

Soutter, L.
Spear, L. M.
Speare, G. S.
Spencer, K.
Squires, H. J.
Stanbury, J. B.
Stauffer, R. E.
Stempien, J. H.
Stephenson, M. L.
Sternbach, R. A.
Stetson, J. B.
Stetson, R. P.
Stewart, W. G., Jr.
Stoeckle, J. D.
Stone, W., Jr.
Stratton, K.
Strole, W. E., Jr.
Sturdevant, C. L.
Sturgis, S. H.
Suby, H. I.
Sullivan, G. L.
Swan, C. L., Jr.
Swartz, J. H.
Swartz, M. N.
Sweet, W. H.
Szabó, G.
Taft, E. B.
Taft, P. D.
Talbot, N. B.
Talland, G. A.
Tandon, R.
Taylor, J. H.
Tenney, B., Jr.
Thomas, J. M.
Thomson, C. P.
Timberlake, W. H.
Tingey, W. H., Jr.
Todd, D. P.
Tolman, M. M.
Tomchik, F. S.
Trapp, C. E.
Trevett, L. D.
Trieger, N.
Tucker, W. I.
Turndorf, H.
Ulfelder, H.
van Amerongen, S. T.
Van Buskirk, D.
Vance, L. A.
Vance, R. G.
Vanderveen, J. L.
Vickery, A. L., Jr.
Victor, M.
Villee, D. B.
Vincent, B.
von Felsinger, J. M.
Waksman, B. H.
Walzer, S. G.
Wang, C.
Warner, F. A.
Warren, R.
Watkins, A. L.
Watson, B. K.
Weber, A. L.
Webster, E. W.
Webster, H. de F.
Wedrow, E. M.
Wegner, K. H.
Weille, F. L.
Weinfeld, M. S.
Weinstein, L.
Weisberger, D.
Welch, C. E.
Weliky, I.
Wells, L. D.
Wener, L.
Wesselhoeft, C.
West, F. J.
Weylman, W. T.
Wheeler, E. O.
Whiskin, F. E.
White, C. J.
White, E. M.
White, J. C.
White, L. P.
White, P. D.
Whitelaw, G. P.
Whiting, R. G.
Wilker, S. R.
Wilkins, E. W., Jr.
Williams, C.
Williams, G. H.
Williams, V. P.
Wills, A. A., Jr.
Wimberger, H. C.
Winkler, G. F.
Wolf, I.
Wyman, S. M.
Yakovlev, P. I.
Young, R. A.
Yurchak, P. M.
Zacharias, L.
Zamcheck, N.
Zamecnik, P. C. M.
Zeller, J. W.
Zervas, N. T.
Zinberg, N. E.
Ziskind, A.
Zonderman, B.

Braintree
Slemons, M. L.

Brockton
Chase, J. S.
Dickersin, G. R.
Duncombe, A. L.
Foss, M. W.
Rae, D. B.
Rae, R. G.

Brookline
Alpert, D. R.
Balch, F. G., Jr.
Barker, R. H.
Barnum, F. G., Jr.
Beck, K. S.
Beuscher, R. B.
Boutwell, H. K.
Braconier, H. E.
Brailey, A. G.
Burgin, L. B.
Chalpin, G.
Cline, H. S.
Cohen, A.
Colby, F. H.
Crabtree, H. H.
Darling, R. C.
Derow, H. A.
Dyer, E. C.
Easton, M. T.
Fay, G. F.
Franseen, C. C.
Frazee, J. R.
Gauld, A. G.
Godley, A. F.
Goldthwait, J. C.
Gregg, W. I.
Hall, F. C.
Helman, M. E.
Hodgson, J. S.
Holland, D. J., Jr.
Homans, J., Jr.
Hormell, R. S.
Hurwitz, J. J.
Joplin, R. J.
King, H. S.
Kirkwood, S. B.
Kornfeld, W.
Lee, R. I.
Linenthal, A. J.
Linton, R. R.
McKittrick, J. B.
McKittrick, L. S.
Magraw, C. E.
Morse, G. W.
Newell, J. L.
Okun, M. R.
Potter, M. G.
Prather, G. C.
Rhodes, F. I.
Riley, A.
Rock, J.
Sack, T.
Schatzki, R.
Shea, C. J.
Silverman, S.
Siscoe, D. L.
Smith, J. A.
Smith, W. D.
Spalding, R.
Spangler, A. S.
Spellman, J. W.
Sprague, H. B.
Stalvey, H. D.
Stone, B. H.
Sturgis, G. P.
Talbot, F. B.
Thoma, K. H.
Tilley, R. F.
Trakas, J. C.
Viets, H. R.
Webster, R. C.
Wheelock, F. C., Jr.
Winsor, A. P.
Wolff, L.
Woodruff, L. M.
Wyman, E. T., Jr.
Young, E. L.
Zarsky, E. L.
Zaudy, E. C.

Bryantville
Angley, J. C.

Cambridge
Binstock, W. A.
Bock, A. V.
Brazelton, T. B.
Caplan, G.
Carter, F.
Christ, J.
Clark, D. A.
Clower, V. L.
Cohen, M.
Coolidge, J. C.
Dawes, D. C.
Decker, B. L.
de Marneffe, F. L. A.
Deutsch, H.
Dexter, C. J.
Evans, R. D.
Farnsworth, D. L.
Faulkner, J. M.
Floyd, C.
Forbes, A.
Frank, T.
Gates, P. H.
Hansen, R. J.
Hardy, H. L.
Herzan, H. M.
Hubbard, E., Jr.
Kennedy, D. A.
Lansky, L. M.

Matz, M. H.
Means, P. H.
Miller, A. E.
Postel, S.
Reid, E. A.
Robey, J. S.
Ross, R. A.
Rudy, H. A.
Russfield, A. B.
Scatchard, G.
Shelton, W. R.
Temby, W. D.
Thorndike, A.
Toll, K. van S.
Townsend, J. H.
Trump, J. G.
Wadsworth, G. P.
Weinberger, J. L.
Whittemore, W. S.
Wyman, S. M.
Yaffee, H. S.
Zetzel, E. R.

Chestnut Hill
Barlow, J. J.
Brigham, F. G.
Buckley, F. M.
Daniels, E. M.
Daniels, H. S.

Cohasset
Beaman, G. B.
Howe, H. F.
Sceery, R. T.

Concord
Austin, R. C.
Fay, G. F.
Hitchcock, J.
Keevil, C. S., Jr.
Keuper, C. S.
McDonald, F. C.
Norton, P. L.
Ruboy, J. S.
Whitfield, T. J., III

Danvers
Essember, L. J.
Fearer, N. H.

Danversport
Breed, F. B.

Dedham
Chapman, R. B.
Putnam, H. M.
Sweetnam, G. H.

Duxbury
Fowler, D. M.

Everett
McLaughlin, C. H.

Fall River
Atwood, W. G.
Hawes, C. H.
Hill, N. P.
Mason, W.
Ragsdale, L. V.
Smedley, L. M.
Spencer, J.
Weiser, A.

Falmouth
Bixby, H. I.

Fitchburg
Pick, W.
Walker, G. M.
Williams, A. H.

Foxboro
Putnam, J. J.

Framingham
Albert, J.
Golden, T. S.
Hirsch, L. S.
Senghas, R. E.
Sleeper, E. L.

Gardner
McPeak, C. N.

Greenfield
Buchanan, W. R., Jr.
McClelland, W. K.
Moran, J. E.

Groton
Swaim, L. T.

Hadley
Huntington, J. L.

Hingham
Eldredge, L. L., Jr.
Emerson, G. F.
Howland, J. B.

Holyoke
Bagg, E. P., Jr.
Bandeian, A. M.
Ferguson, E. L.
Mahoney, S. A., Jr.

Hopkinton
Denton, J. E.

Hyannis
Ciccarelli, E. C.
Garran, F. W., Jr.
O'Malley, A. F.

Ipswich
Petranek, J. R.
Wigglesworth, W. C.

Lawrence
D'Urso, J. J.
Feeney, F. J.
Ganem, E. J.

Leominster
Wheeler, C. A.

Lexington
Bellinger, M. J.
Cosgrove, W. L.
Petersen, J. A.

Longmeadow
Huston, L. L.
Plotkin, L. H.

Lowell
Gehring, J. R.
Grant, G. J. M.
Lawlor, R. C.
Leahey, B. D.
Letsou, V. G.
Wiedman, M.

Lynn
O'Keefe, E. S.
Sarris, S. P.
Swartz, M.

Lynnfield
Newhall, H. F.

Malden
Bennett, D. R.
Bennett, W.
Garrey, W. E.
Thorp, E. G.

Marblehead
Hopkins, S. W.
Verhoeff, F. H.

Mattapan
Lazarus, H. R.

Medfield
Reggio, A. W.

Medford
Guthrie, A. D., Jr.
Heath, C. W.
Morrissey, A. M.

Melrose
Glines, G. A.
Hormell, R. S.
Jako, G.
Watson, R. H.

Milton
Gamble, C. J.
Hepburn, J. P.
Hurst, A. L.
McGrath, E. F.
O'Keeffe, A. F.
Sullivan, E. R.
Toch, R.
Tudor, F.
Van Dyke, W.

Natick
Cavanaugh, J. J. A.

Needham
Brown, F. H.
Vanderpol, M.

New Bedford
Hoffman, H. A.
Lewis, E. O.
Maynard, G. B., Jr.
Tripp, C. C.
Whitney, J. B.

Newburyport
Bullard, C. W.
Hamilton, R. DeL.

Newton
Adler, M. H.
Hanelin, J.
Kenner, G.

Newton Centre
Bonner, F. J.
Chasen, M. C.
Derow, S.
Franklin, W.
Gill, B. F.
Kennard, H. E.
Moschella, S. L.
Offenbach, B.
Rutherford, R. W.

Newtonville
Garcelon, G. G.

Northampton
Averill, J. H.
Tatlock, H.

North Andover
Rogers, H.
Wallwork, D. W.

Norwell
Bailey, D. W.

Norwood
Booth, N. A.
Fishman, N.
Sternstein, H. J.

Peabody
O'Rourke, H. J.
Osgood, H. A.

Pittsfield
Miller, J. P., Jr.
Reynolds, G. S.
Tracy, R. J.

Plymouth
Haggart, G. E.
Hamilton, H. H.

Pocasset
Sanborn, F.

Prides Crossing
Risley, E. H.

Quincy
Ciano, J. F.
McCarthy, P. L.

Randolph
Moore, R. F.

Rockport
Sanders, M. B.
Wheeler, R. R.

Rutland Heights
Clifford, M. H.

Salem
Clark, D. S.
Flynn, J. G.
LeDonne, J. E.
Lowd, H. M., Jr.
Phippen, W. G.
Polansky, S. C.
Shannon, J. M.
Stebbins, H. D.
Thompson, R. H.
Somerville
Pollard, J. T., Jr.
South Duxbury
Shirley, J. N.
South Hamilton
Bacon, W. B.
South Sudbury
Adelson, W. J.
South Weymouth
Kilfoyle, R. M.
Springfield
Carson, P. C.
Chapin, L. D.
Derby, J. P.
Derrick, C. C.
Edgelow, A. F. G.
Franseen, E. F.
Gibson, G. C.
Hayes, D. R.
Hopkins, F. S.
Hoyt, W. F.
Ives, L. M.
Lewis, J.
Ring, H. G.
Williams, D. W.
Zacarian, S. A.
Stockbridge
Kimberly, C. H.
Sudbury
Tristan, M. P.
Swampscott
Lurie, A. S.
Mayo, F. B.
Miller, C. C.
Topsfield
Thornton, C. E.
Truro
Hoeffel, G. N.
Waban
Lothrop, O. A.
Wakefield
Fiascone, A. D.
Walpole
Yatsuhashi, M.
Waltham
Hardy, I. B.
Herm, R. J.
Holmes, J. A.
Lewis, J. L.
Robinson, D. R.
Wareham
Lincoln, J. R.
Waverley
For names formerly in Waverley, *see* Belmont
Wellesley
Flanagan, N. B.
Fromer, J. L.
Klein, D. C.
Kraus, P. S.
Pfeffer, W., Jr.
Temby, W. D.
Wilde, H. D., Jr.
Wellesley Hills
Angelini, H. D.
Brenner, J. H.
Freese, C. G., Jr.
Gray, B. C.
Guralnick, W. C.
Lingeman, B. S.
Parker, J. S.
Pippitt, R. B.
Reidy, J. A.
Rosenberg, E. H.
Sanders, R. W.
Stempien, J. H.
Wenham
Rogers, D. M.
West Falmouth
Faxon, N. W.
West Newton
Berezin, M. A.
Van Gorder, G. W.
Weston
Peebles, T. C.
Rogers, W. P., Jr.
Swan, C. S.
Taylor, G. W.
Van Nüys, F.
Westwood
Bunker, S. M.
Taylor, J. B.
Williamstown
Urmy, T. V.
Winchester
Annino, D. J.
Clark, R. J.
Haley, W. D.
Kaufmann, G. G.
Kermond, W. L.
McKenzie, W. L.
McLean, J. D.
Marks, G. A.
Worcester
Burrow, J. G.
Carmody, J. T. B.
Damiani, C. R.
Duggan, J. A.
Freymann, J. G.
Johnson, V. S.
Lingley, J. R.
Miller, E. C.
Oakley, J. C.
Peterson, H. O.
Reagan, D. J.
Sniffen, R. C.
Starobin, O. E.
Stone, B. B.
Wheeler, B. C.
Zmyslowski, W. P.

MICHIGAN

Ann Arbor
Bishop, R. C.
Coller, F. A.
Field, H., Jr.
Miller, J. G.
Smillie, J. W.
Sweet, R. B.
Vial, A. B.
Waldron, A. M.
Zuidema, G. D.
Birmingham
Esslinger, J. O.
Leach, C. A., Jr.
Dearborn
Bloomer, E.
Detroit
Blodgett, W. H.
Butler, A. M.
Comly, H. H.
Eyler, W. R.
Frame, B.
Halsted, J. A.
Morgan, W. L., Jr.
Osius, E. A.
Prus, A. M.
Rosen, R. B.
Smith, W. P.
Sphire, R. D.
Stiefel, D. M.
Sweeny, D. N., Jr.
Zuelzer, W. W.
Zukowski, H. J.
Grand Rapids
Beeman, C. B.
Capps, S. C.
Faust, L. W.
Sugiyama, T.
Ionia
Tannheimer, J. F.
Iron Mountain
Alexander, W. H.
Jackson
Munro, N. D.
Lincoln Park
Russell, H. N., Jr.
Mackinac Island
Dole, K. L.
Pontiac
Cudney, E. B.

MINNESOTA

Duluth
Colpitts, G. E.
Minneapolis
Amick, A. F.
Goetz, F. C.
Johnson, N. P.
Kennedy, B. J.
Peterson, H. O.
Pohl, J. F.
Rodgers, R. S.
Wang, Y.
Rochester
Haines, S. F.
Helmholz, H. F., Jr.
Randall, R. V.
St. Paul
Schwyzer, M.

MISSISSIPPI

Jackson
Guyton, A. C.

MISSOURI

Clayton
Funsch, R. E.
Columbia
van Ravenswaay, T.
Kansas City
Dann, D. S.
Dennie, C. C.
Lilly, T. E., Jr.
Pickard, N. S.
Trowbridge, E. H., Jr
St. Charles
Baue, A. E.
St. Joseph
McDaniel, J. R.
Riddell, R. V.
St. Louis
Chaplin, H., Jr.
Clark, S. L., Jr.
Dodd, R. B.
Doisy, E. A., Jr.
Drake, T. G.
Funsch, R. E.
Hanser, T. H.
Hershey, F. B.

Lytton, W. B.
Maughs, S. B.
Mayman, C. I.
Moore, S.
O'Brien, R. M.
Robins, E.
Stephens, W. A.
Strauss, A. E.

Trenton
Fuson, W. A.

Webster Groves
Gaunt, F. P.

NEBRASKA

Aurora
Steenburg, D. B.

Omaha
Bisgard, J. D.
Bresnahan, J. F.
Luikart, R. H.

NEVADA

Las Vegas
Woodbury, H. W.

Reno
Cantlon, E. L.
Cantlon, J. V.

NEW HAMPSHIRE

Concord
Mintz, E. R.

Dover
Wilson, R. F.

Exeter
Curtin, R. R.
Heyl, J. T.

Greenfield
Lezer, L. R.

Hancock
Eustis, R. S.

Hanover
Anthonisen, M. R.
Goodale, F., Jr.
Gundersen, S. M.
Heyl, H. L.
Hunter, R. W.
King, D. S.
McKenna, J. B.
Staples, O. S., Jr.
Sycamore, L. K.
Tisdale, W. A.

Keene
Lacey, W. H.

Laconia
Baker, W. J.

Manchester
Bienvenu, L. J.
Colokathis, P.
Kalil, T. H.
McGahey, C. E.
Walker, J. K.

Orford
Hall, M. G.
Hammond, J. W., Jr.

Peterborough
Bowditch, H.
Millard, D. G.

Portsmouth
Lium, R.

Wilton
Locke, E. A.

Wolfeboro
Adams, R. H.
Gregory, H. E.

NEW JERSEY

Eatontown
Judd, A. B.

Elizabeth
Gorman, R. V.
Weigel, E. W.

Englewood
Roberts, C. D.

Glen Ridge
D'Alessandro, G. L.

Jersey City
Rothberg, H. D., Jr.

Madison
Diehl, S. D.

Montclair
Greene, R. G.

Morristown
Ward, A. J.

Newark
Greene, R. W.
Newman, H. A.
Schaaf, R. S.

New Brunswick
Kuhn, W. G., Jr.

North Long Branch
Gorrell, J. E.

Orange
Stearns, T.

Paterson
Sporer, E. S.
Van Eerde, A.

Princeton
Dalrymple, W.
Munro, J.

Summit
Willetts, A. T.

Trenton
Rosenthal, A. L.

NEW MEXICO

Albuquerque
Adler, S.
Mora, F.
Parnall, E.

Fort Bayard
Kinney, R. J.

Los Alamos
Grier, R. S.
Shipman, T. L.

Santa Fe
Lunt, L. K.

NEW YORK

Albany
Haase, F., Jr.
Holt, W. L., Jr.
Thomas, W. A.
Traver, C. A.

Bath
Traver, R. F.

Bayside, Long Island
Wong, J. K.

Brooklyn
Friedman, C. F.
Warren, C. F.

Buffalo
Bakay, L.
Bloch, K. J.
Bridge, E. M.
Calkins, E.
Forbes, V.A.-C.
Holland, J. B.
Hummel, L. E.
Klein, D. M.
Lambert, E. C.
Lowe, C. U.
Osgood, H.
Stewart, J. D.
Stiff, D. W. S.

Canandaigua
Berg, H. W.

Cleverdale
Tefft, R. C., Jr.

Cooperstown
Greenough, J.
Ketchum, W. F.
McIver, M. A.
Sahler, O. DeP.

Freeport, Long Island
Charash, L. I.

Glen Head, Long Island
Heggie, J. F.

Glens Falls
Batt, R. C.

Hartsdale
Rasmussen, J. S.

Katonah
Thompson, W. A.

Kenmore
Schenk, W. G., Jr.

Larchmont
Haralambie, J. Q.

Little Neck, Long Island
Wenig, M.

Manhasset, Long Island
Ayers, W. B.
Nicosia, A. P.

Mechanicville
Ryan, J. P.

Mount Morris
Judd, J. M.

Mount Vernon
Friedman, L. J.

New Rochelle
Houser, G. F.

New York City
Alper, J. M.
Anderson, H. C.
Appel, S. H.
Barry, R. M.
Bowden, L.
Carroll, R. E.
Chamberlain, J. M.
Christenson, W. N.
Cohn, Z. A.
Collins, H. S.
Cu, W. B.
David, J. R.
Dickson, C. C.
Dole, V. P., Jr.
Edelman, G. M.
Finkenstaedt, J. T.
Fishman, R. A.
Goldblatt, M. E.
Gomatos, P. J.
Greenhill, M. H.
Heffron, R.
Henley, T. F.
Hiebert, J. M.
Hobson, L. B.
Hofer, M. A., II
Kaufman, M. R.
Kneisel, J. J.
Lake, M.
Lambert, J. T.
Layzer, R. B.
Loeb, R. F.
Luck, D. J. L.
Mach, B. F.
Mack, J. E.
Maier, J.
Maisel, B. W.

Malcolm, J. A.
Mannik, M.
Metcalf, K. M.
Mixter, G., Jr.
Moore, B. E.
Mote, J. R.
Nellhaus, G.
O'Sullivan, R. B.
Patterson, R. H.
Patterson, R. L., Jr.
Peters, J. H.
Putnam, C. R. L.
Quan, S. H. Q.
Rappleye, W. C.
Rasmussen, H.
Roots, L. H.
Rosenbaum, M.
Russell, P. S.
Saunders, G. M.
Schneiderman, R. N.
Squire, L. F.
Surls, J. K.
Tenney, V. A.
Twombly, G. H.
Ulick, S. C.
Vesell, E. S.
Watson, J. W.
Watson, R. F.
Williams, R. C., Jr.
Wilson, P. D.
Wilson, P. D., Jr.
Wohl, H.
Yanagisawa, K.

North Tarrytown
Rowell, H. G.

Plattsburg
Barton, L. G., Jr.

Poughkeepsie
Bedell, W. C.
Keeley, J. K.

Rochester
Allison, C. R.
Anderson, E. G.
Berg, R. L.
Boller, C.
Clark, M. M.
Crawford, H. B.
Egel, N.
Guller, E. I.
Jones, T. B.
Morton, J. J.
Moss, A. J.
Radebaugh, J. F., Jr.
States, J. D.
Stewart, J. M.

Saranac Lake
Welles, E. S.

Scarsdale
Bedell, R. F.
Hammond, W.
Lipman, M. M.

Syracuse
Dunn, E.
Gardner, L. I.
Gibson, L. E.
Hale, C. H.
Neptune, E. M.
Silverman, A. C.
Straehley, C. J., Jr.

Troy
Talin, J. J.

Tuckahoe
Seed, J. C.

Upton, Long Island
Cotzias, G. C.
Dahl, L. K.

Utica
Case, C. T.
English, H. S.
Knapp, R. G., Jr.
Millet, J. B.

Watertown
George, H. L., Jr.

NORTH CAROLINA

Asheville
Morrison, R. W.

Biltmore
Freeman, W. T.

Chapel Hill
Barnett, T. B.
Burnett, C. H.
Chamberlin, H. R.
Craige, E.
Gottschalk, C. W.
Heusner, A. P.
Jessner, L.
Lansing, C.
Lassiter, W. E.
McClellan, W. S.
Miller, M. L.
Monroe, J. T., Jr.
Sandifer, M. G., Jr.
Taylor, I. M.
Young, D. A.

Charlotte
Brenizer, A. G., Jr.
Elliott, J. A., Jr.

Durham
Pearse, R. L.
Peete, W. P. J.
Persons, E. L.
Reeves, R. J.
Schuntermann, P. P.-E.
Wyngaarden, J. B.

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A. *An Unrestricted Legacy*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ...($)."

Money given in this way may be used by the Hospital for any purpose within the scope of its powers. Both principal and income may be so used.

B. *A Legacy Restricted as to Principal but Not Restricted as to Income*

"I give to The Massachusetts General Hospital, a corporation organized under the laws of Massachusetts and situated in Boston, Massachusetts, ...($). The principal of this gift shall be held and may be mingled with other funds of the Hospital for investment. The Hospital may expend the income for any purpose within the scope of its powers. (The following sentence is optional.) This gift is made in memory of ..... and shall be known as the ..... Fund."

Money given in this way establishes a permanent fund.

C. *A Legacy Intended for a Special Purpose*

Where either principal or income of a bequest is to be restricted to some special purpose of the Hospital, it is suggested that the testator contact the Treasurer's Office, 45 Milk Street, Boston.

DALTON SCHOLARSHIPS

Scholarships will be awarded to the candidates recommended by the General Executive Committee of the Massachusetts General Hospital and confirmed by the Trustees.

The holders of these Scholarships are required to do original work in subjects to be designated.

For particulars apply to the General Director.

MASSACHUSETTS GENERAL HOSPITAL
Fruit Street, Boston

See also page 125 of this Report

WARREN TRIENNIAL PRIZE

The Warren Triennial Prize was founded by the late Dr. J. Mason Warren in memory of his father, and his will provides that the accumulated interest of the fund shall be awarded every three years to the author of the best dissertation, considered worthy of a premium, in some subject in Physiology, Surgery, or Pathological Anatomy, the arbitrators being the General Executive Committee of the Massachusetts General Hospital.

See also page 126 of this Report

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